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Answers

Feel at Home with Homographs

Homographs are words which are flexible enough to be used in a variety of ways.

Find and write homographs which exhibit different meanings as given below. The first one is done for you.



1. • Very unkind
• Average

MEAN

2. • The end point
• Small sum of money given to a waiter

T

3. • A card game
• Road over a river

B

4. • A false statement
• To place one's body in a flat position

L

5. • A long piece of wood
• North and South ends of the Earth's axis

P

6. • To keep out of sight
• Animal skin

H

7. • Bird's beak
• To be paid in a hotel

B

8. • A male deer
• A dollar may be called by this name

B

DO YOU KNOW?

A person who studies the origin of words and their meanings is called an Etymologist.

Towards Colourful Language

Colours add depth to our expressions. Let us understand the true meanings of the following colourful expressions. Use the Help Box and write the correct meanings.

1.

To see Red

2.

In a fit of Blue

3.

White-faced

4.

To feel Green

5.

A Grey day

6.

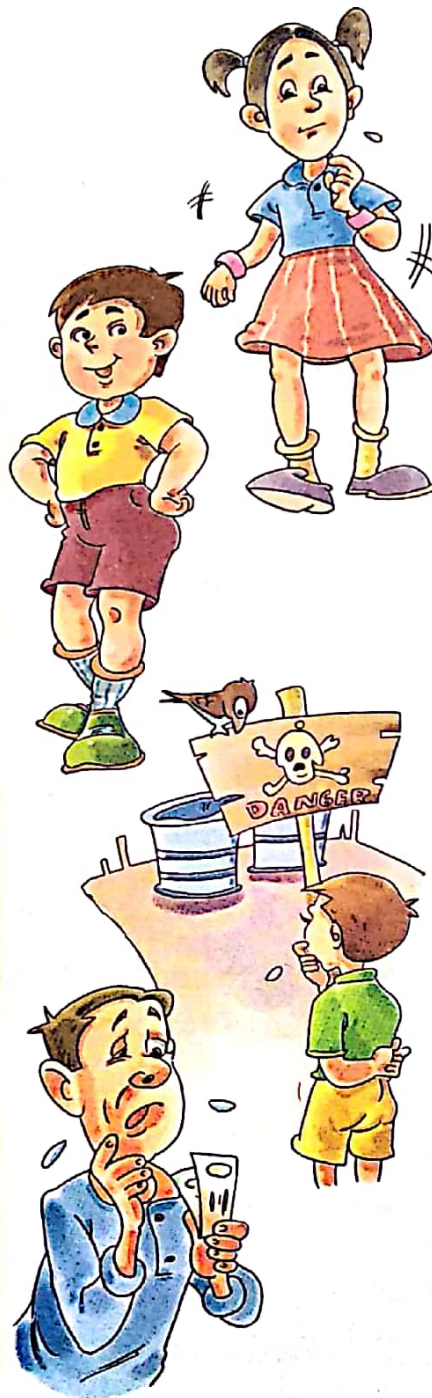
In the Pink of health

7.

In Black and White

8.

Browned off



Help Box

Fit and Fine	Pale and Nervous	Depressed or Sorrowful
Discontented	Cloudy or Humid day	Envious or Jealous
To sense danger ahead	In print or written down	

Anagrams are Fun

Words which are formed by re-arranging the letters of the existing words are called **Anagrams**. For example, 'TRAP' — 'PART'

Fill in the given crossword by making Anagrams from the words given in the brackets. One is done for you.



Down



1. More than bad (SWORE)
2. Sound made by a sheep (TABLE)
3. Movement of water (WOLF)
4. To jump (PALE)
5. A story (LATE)
6. Average (MANE)



Across



7. A long dress (BORE)
8. A sickness (SEASIDE)
9. One-time (CONE)
10. A vessel (NAP)

		¹ W							
	⁷	O	² B						
		R				⁴ L		⁶	
⁸ D		S							
		E					⁵		
				³ F		¹⁰			N
				⁹				E	

► It's People, People All the Way...

People in a group can be named differently. The Collective Nouns given here are related to particular groups. Choose and write the correct name with the descriptions provided.

Parliament	Orchestra	Staff	Panel	Audience
Mob	Queue	Crowd	Jury	Team



1. A group of musicians playing together form an _____
2. A group of people associated for playing a match _____
3. A group of people deciding a court case form a _____
4. A group of teachers is called _____
5. People standing at the bus-stop form a _____
6. A group of listeners at a lecture are _____
7. Selected doctors or professionals form a _____
8. People elected to make law, constitute the _____
9. People at the shopping complex are referred to as the _____
10. A group of violent people intending to attack form a _____

? DO YOU KNOW?

A 'Congregation' means a gathering of people for religious worship especially at a church.



Values are Invaluable

Read each of the following situations carefully. The values exhibited by the students in these situations are given in a jumbled form. Unjumble them to get the correct answer.

1. The school Principal and teachers asked the students to take an active part in the 'Cleanliness Drive'. The students not only cleaned up their classrooms but also the school corridors, drinking water area, laboratories, etc.

T _ _ _

S _ _ _ _

(META ITPSRI)

2. During 'Environment Week', the students of Class-VI planted new saplings and took care of the school garden and trees in the compound.

C _ _ _ _ G

F _ R

N _ _ _ _ E

(IACRNG OFR EUANTR)

3. The students collected their pocket money and bought sweets, earthen lamps and gifts for the children at the nearby orphanage. They celebrated Diwali with them and made them happy.

S _ _ _ _ G

(IRHSANG)

4. The school organised a 'Blood Donation Camp'. The students volunteered and helped with the arrangements. They also requested their parents and relatives to donate blood and save lives.

H _ _ _ _ _ Y

(YNUHMAIT)

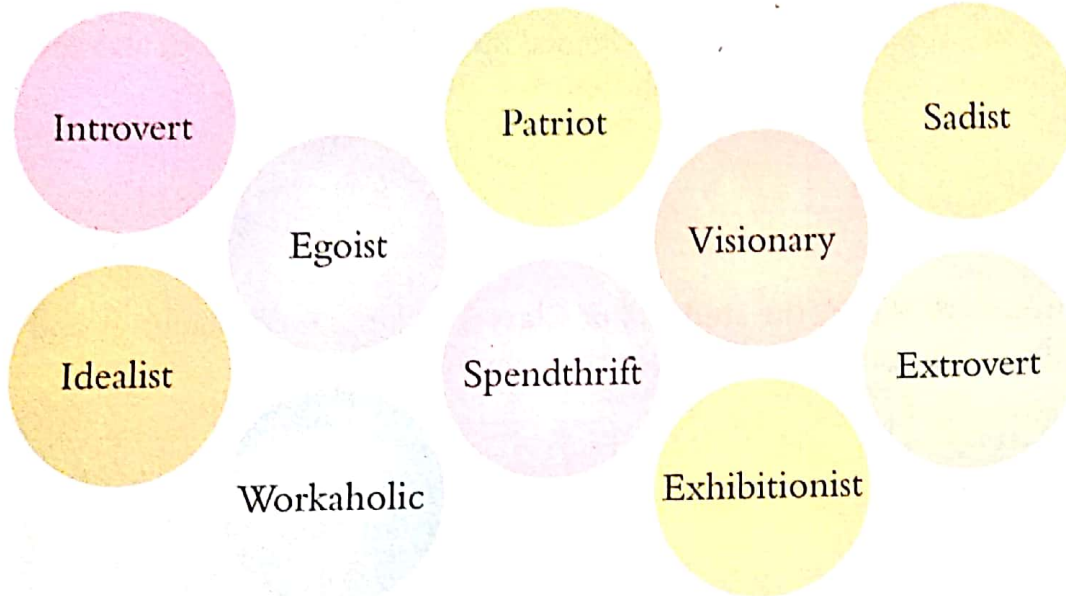
5. On Teachers' Day, the students decorated their classrooms and welcomed their teachers. They wished them with cards and flowers.

R _ _ _ _ T

(TPERSEC)

► What's the Good Word?

Given below are the descriptions of some traits of personality. The words provided in the bubbles name them. Choose and write the correct name against the description given.



1. Moody, quiet and happy to be alone.
2. Prefers company of others and mixes easily with people.
3. Eager to show-off at every gathering.
4. A person who is a compulsive worker.
5. Believes in spending money freely (without thinking).
6. One who believes in great ideals.
7. A person who is selfish and preoccupied with his own interests.
8. One who gets pleasure by hurting others.
9. A person having vision or ideas.
10. A strong supporter of his or her country.

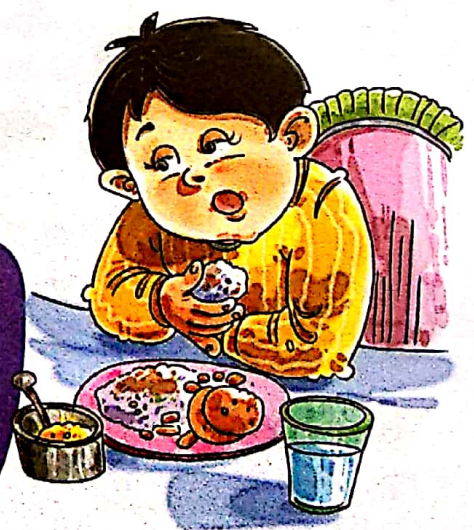
Know Your Gs

G is a GREAT letter to describe people and their qualities. Numerous adjectives starting with G are used in our conversation as well as writing. Choose and write the words starting with G, next to their given meanings.

1. A cunning person G _____
2. Very bad-tempered G _____
3. Loud or Gaudy G _____
4. Very brave G _____
5. Greedy for food G _____
6. True or Original G _____
7. Very easily taken in or fooled G _____
8. Really social or outgoing G _____
9. Thankful or appreciative G _____
10. Serious or harsh G _____



Grim
Gallant
Glutton
Gullible
Garish
Guile
Gregarious
Genuine
Grumpy
Grateful



► Body Language

Our body is a very effective medium of communication. Feelings, emotions and reactions are exhibited to create impressions. Some of them are listed below. Read them and write the correct expression against each from the Help Box given. The first one is done for you.

1. Very attractive Eye-catching
2. To watch carefully _____
3. Fully occupied by something _____
4. To be able to enjoy and appreciate music _____
5. To work with dedication _____
6. Something/Someone very much loved _____
7. To interfere into other's affairs _____
8. To tease or make fun of _____
9. To be in a state of shock _____
10. To be good at growing plants _____









Help Box

To keep an eye on	Up to one's eyes	After one's heart
To have an ear for	To put heart and soul	To have green fingers
To poke one's nose	Eye-catching	Tongue-tied
To pull someone's leg		

Prefix and Suffix

- An addition to the beginning of a word is known as a **Prefix**.
- The end word which is attached to a root word is known as **Suffix**.




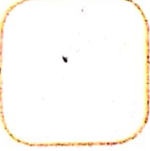
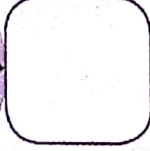

A. Choose and write appropriate Prefix before the given words.

1.  <div style="border: 1px solid blue; padding: 5px; display: inline-block;"> literate logical legal </div>	2.  <div style="border: 1px solid pink; padding: 5px; display: inline-block;"> vide oxide vorce </div>	3.  <div style="border: 1px solid purple; padding: 5px; display: inline-block;"> real spoken wanted </div>
4.  <div style="border: 1px solid blue; padding: 5px; display: inline-block;"> port fer late </div>	5.  <div style="border: 1px solid green; padding: 5px; display: inline-block;"> tend it ample </div>	6.  <div style="border: 1px solid orange; padding: 5px; display: inline-block;"> pone vent pare </div>

Help Box

Di	Trans	Il	Pre	Ex	Un
----	-------	----	-----	----	----

B. Choose and write suitable Suffix for the following words.

1.  <div style="border: 1px solid blue; border-radius: 50%; padding: 10px; display: inline-block;"> Dic Devo Por </div>	2.  <div style="border: 1px solid green; border-radius: 50%; padding: 10px; display: inline-block;"> Natur Norm Form </div>	3.  <div style="border: 1px solid pink; border-radius: 50%; padding: 10px; display: inline-block;"> Thought Tact Fright </div>
4.  <div style="border: 1px solid orange; border-radius: 50%; padding: 10px; display: inline-block;"> Sleepless Restless Careless </div>	5.  <div style="border: 1px solid purple; border-radius: 50%; padding: 10px; display: inline-block;"> Light Smooth Fast </div>	6.  <div style="border: 1px solid brown; border-radius: 50%; padding: 10px; display: inline-block;"> Power Sense Taste </div>

Help Box

tion	ful	al	ness	less	en
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► Into the World of Comics

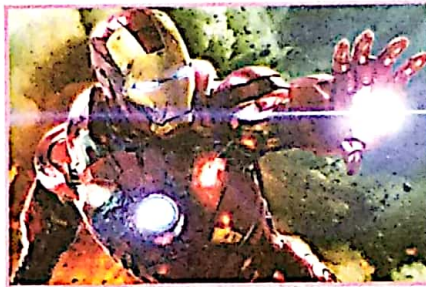
A. A comic strip is a series of pictures that narrate a story. The names of famous cartoon characters and their creators are given below. Match them.

CHARACTERS		CREATORS
1. Mickey and Donald	▷	▷ a. Herge
2. Tintin	▷	▷ b. Hank Ketcham
3. Dennis, the Menace	▷	▷ c. Walt Disney
4. Batman	▷	▷ d. Bob Kane
5. Tarzan	▷	▷ e. Edgar Burroughs
6. Spiderman	▷	▷ f. Stan Lee

B. The pictures of some popular comic characters from all over the world are given below. Identify them and write their names in the space provided.



1. _____



2. _____



3. _____



4. _____



5. _____



6. _____

TONGUE TWISTERS

1. Silly Sally swiftly shared seven silly sheep.
2. She sells sea shells on the sea shore.
3. Betty bought some butter but the butter was so bitter that Betty bought better butter to make bitter butter better butter.

Fact File

R.K. Laxman



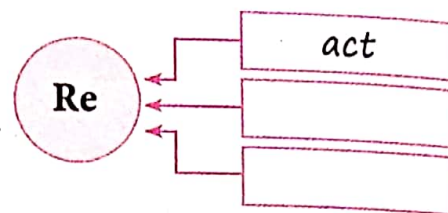
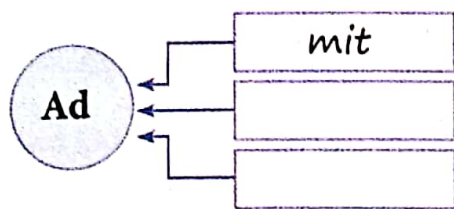
(24 October 1921 – 26 January 2015)

- ▶ Rasipuram Krishnaswami Iyer Laxman was an internationally renowned cartoonist and a famous illustrator.
- ▶ R.K. Laxman started drawing on the doors, walls and floor of his house, early in his childhood. In school, he used to draw the caricatures of his teachers.
- ▶ After completing his high school, he graduated with a Bachelor of Arts degree from the University of Mysore.
- ▶ He started his career as a 'Freelance artist'. His earliest works were for newspapers and magazines like *Swarajya* and *Blitz*.
- ▶ He illustrated the stories of his brother, R.K. Narayan. His illustrations appeared in the newspaper, *The Hindu*, which were very much appreciated.
- ▶ He worked for Gemini Studios, Madras and then as a full time political Cartoonist at *The Free Press Journal*, Mumbai. Later, he joined *The Times of India* and worked there for more than fifty years.
- ▶ His popular creations are – *The Common Man* and *You Said It*, the cartoon strip. He also sketched for the T.V. adaptation of *Malgudi Days*.
- ▶ He won many awards. Some of them are–
 - Padma Bhushan – 1973
 - Ramon Magsaysay Award – 1984
 - Padma Vibhushan – 2005
 - Lifetime Achievement Award by IBN CNN TV – 2008
- ▶ He breathed his last on 26 January 2015 at Pune.

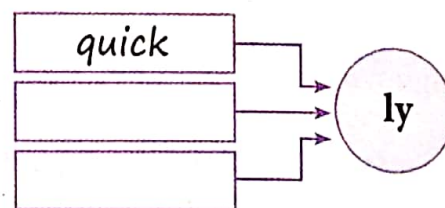
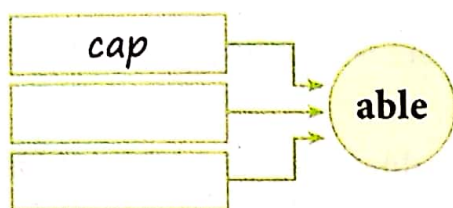


Test Your Wisdom

1. a. Make suitable words with following prefixes.



- b. Make suitable words with following suffixes.



2. Write the meanings of the following expressions.

a. In black and white

b. To keep an eye on

c. In pink of health

d. Eye-catching

e. After one's heart

3. Complete the following sentences.

a. I am a spendthrift, I freely _____

b. I am an idealist, I believe in _____

c. I am an extrovert, I like _____

d. I am an introvert, I am _____



4. State the following statements as True or False.

- a. Tip is the small sum of money given to a waiter. ☐
- b. An audience is a group that gathers to listen to a lecture. ☐
- c. Guile is the term used for a very brave person. ☐
- d. Walt Disney was the creator of the cartoon character named Tintin. ☐
- e. R.K. Laxman was the creator of the cartoon strip, *The Common Man*. ☐

5. Circle the odd one out.

- a. index/contents/preface/surface/bibliography
- b. poet/dramatist/numismatist/writer/play-wright
- c. educator/tutor/school teacher/instructor/philatelist
- d. poem/lymeric/ballad/essay/rhyme

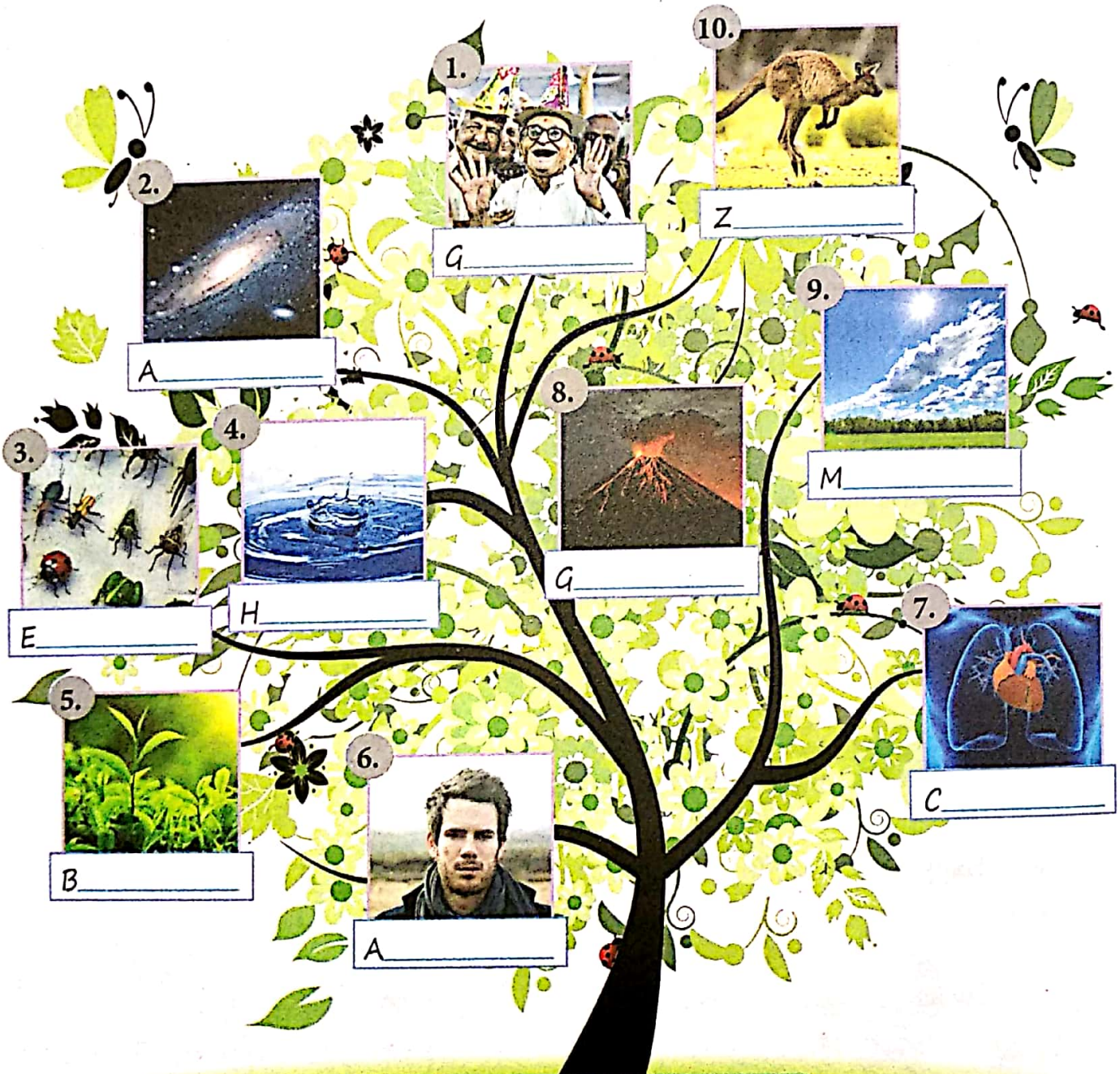


6. Figure out the following analogies.

- a. Happiness : Laughter :: Sorrow : _____
- b. Socks : Feet :: Cravat : _____
- c. Attack : Heart :: Sty : _____
- d. Books : Library :: Experiments : _____

► Nature's Blessing

Given below is the tree having the pictures which deal with different branches of Science. Pick the name from the Help Box and write it below the correct picture.



Branches of Science

Help Box

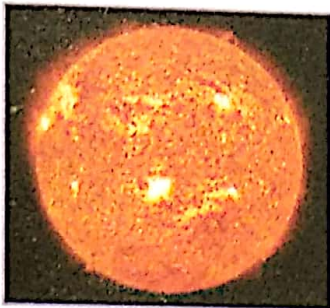
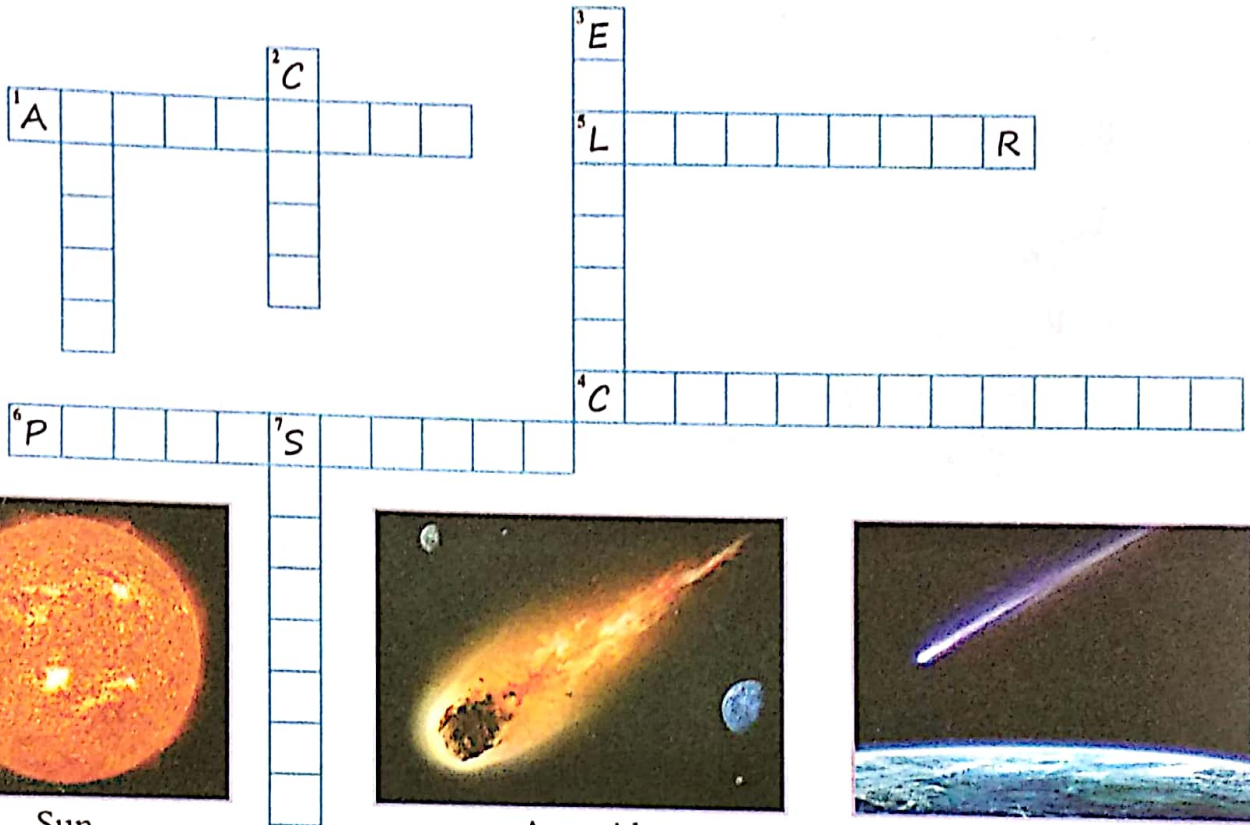
Astronomy	Gerontology	Entomology	Biology
Cardiology	Anthropology	Zoology	Geology
Hydrology	Meteorology		

? DO YOU KNOW?

The science which deals with the study of different kinds of poisons is known as **Toxicology**.

Space Capsule

A. Given below are descriptions of some of the terms related to space. Read them carefully and complete the crossword.



Sun



Asteroid



Comet

1. Minor planets whose orbits lie between Mars and Jupiter.
2. Heavenly body within the gravitational field of the sun which is occasionally visible to the naked eye.
3. The sun's apparent orbit.
4. A group of fixed stars in the heavens.
5. A measure of astronomical distance, equal to the distance light travels in the course of a year.
6. It is the visible part of the sun.
7. Dark patches appear on the surface of the sun.



Constellation



Elliptic

B. Take the words from the Help Box and complete the following abbreviations.

1. NASA _____
2. ISRO _____
3. SLV _____
4. ALI _____
5. EDR _____

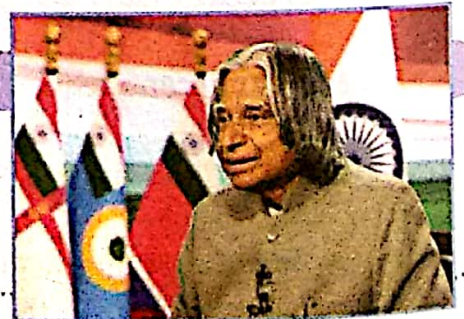


Help Box

National	Imager	Indian	Research
Aeronautics	Environment	And	Launching
Administration	Space	Organisation	Record
Data	Advanced	Land	Space
Organisation	Satellite	Vehicle	

? DO YOU KNOW?

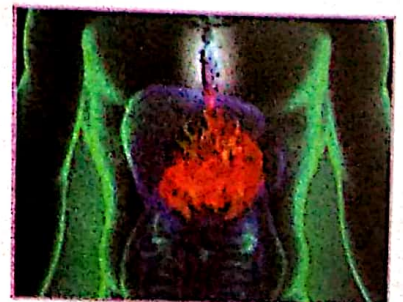
Late President Dr. APJ Kalam was so involved with launching of missiles in India that he was fondly called 'India's Missile Man'.



A Doctor's Dictionary

A description of some common medical terms is given below. Read the description and complete the name.

1.	A
2.	A
3.	N
4.	H
5.	B
6.	A
7.	A
8.	A
9.	A
10.	A



1. A drug or gas that causes unconsciousness or deadening sensation.
2. A medicine that lessens or stops pain.
3. Pain in the nerve.
4. An internal bleeding due to bursting of a blood vessel.
5. The pressure exerted by blood on the walls of arteries.
6. Unusual sensitiveness to things, such as dust, pollen, certain foods and drugs.
7. Medicines for destroying organisms, especially bacteria.
8. Germ-destroyer.
9. A drug which counteracts acidity in the stomach.
10. A post-mortem examination of a body.

Human Body

A. Human body consists of various organs which perform variety of functions. Read the given clues and unscramble the words to find out the names of the different body parts.

1. It is the sensory nerve of sight.

C P T I O

2. It provides the special sense of hearing.

R Y O T I D A U

3. This nerve is responsible for sense of smell.

Y R O T C A F L O

4. These are responsible for arousing different types of taste.

S T A T E D U B S

5. It acts as the floor for the base of the lungs.

M G A R H A P I D

6. It is the harder substance which covers the tooth.

L M E E A N

7. The organ which is located on the left side of abdomen and manufactures antibodies.

N E E P L S

8. It is the longest bone in the skeletal system.

R E M U F

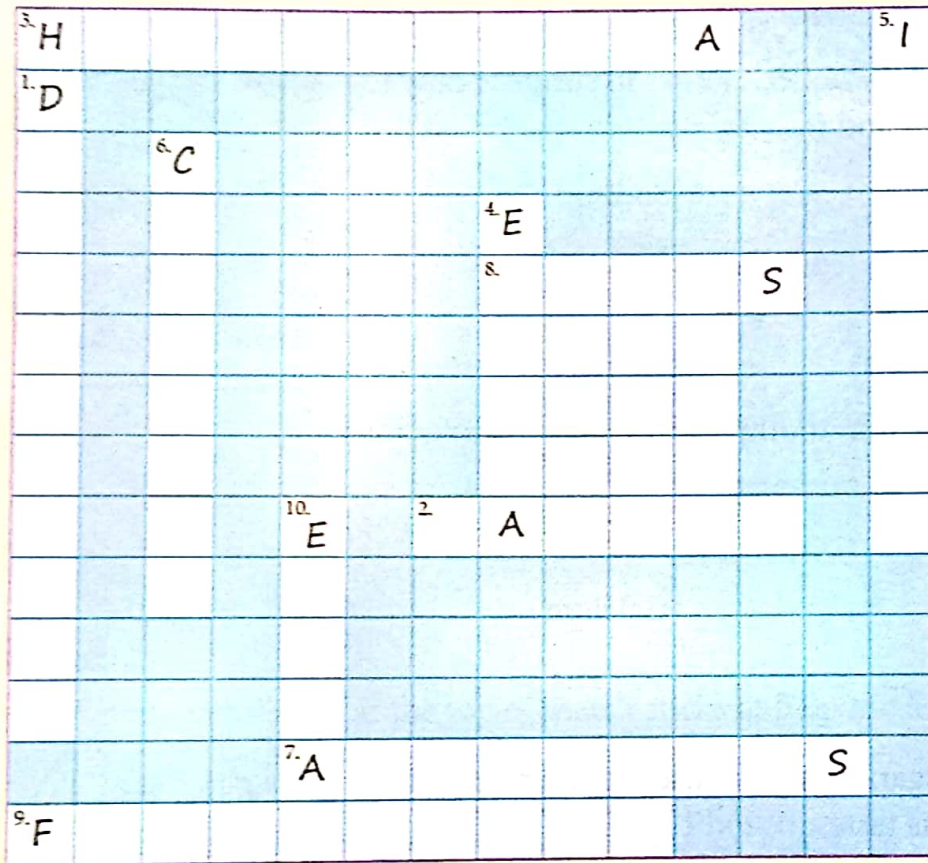
9. These muscles have the special property of automatic rhythmical contraction.

C C A A R D I

10. These small cells are found in blood and help in its clotting.

S P L A E E T L T

B. Many a times human body gets attacked by infections or diseases. Read the description given below and complete the names of the common infections and diseases in the maze.



1. This condition occurs due to the loss of water from the body.
2. It is the condition marked by abnormal growth of cells.
3. It is the disorder of the blood with deficiency in the clotting mechanism.
4. It is the inflammation of the skin due to an allergy to some food, drug or chemical used.
5. It is a respiratory illness that is caused by virus.
6. It is the condition where there is partial or complete opacity of the eye lense.
7. It is an inflammation of a joint or joints.
8. It is a highly infectious disease which results in bad throat, headache and watery nose.
9. It is the swelling of different parts of organs caused by round worms.
10. It is the condition in which swelling occurs due to fluid accumulation in body tissues.

Chemistry of Life

The world of science has discovered a lot many things which are useful in our daily life. Given below are some such things. Choose the correct option for the given statements.

1. The balls which we keep in woollen clothes in summer only to protect them from moths and insects.

☐ Naphthalene

☐ Cotton

☐ Sodium

☐ Nylon



2. The element present in our toothpaste to make our gums healthy.

☐ Flourine

☐ Chlorine

☐ Iodine

☐ Calcium



3. A chemical used in vinegar. Vinegar is used in the preparation of noodles to enhance its taste.

☐ Lactic Acid

☐ Acetic Acid

☐ Tartaric Acid

☐ Acetone



4. A chemical used in nail polish removers.

☐ Acetic Acid

☐ Sodium

☐ Acetone

☐ Chlorine



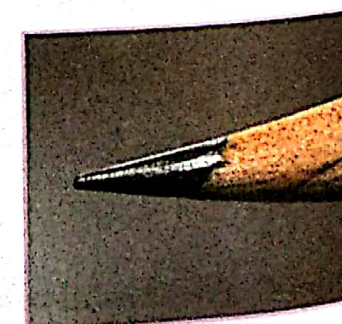
5. The black shining substance which is used in pencil and is mistaken as lead.

☐ Lead Oxide

☐ Phosphorous

☐ Graphite

☐ Coal



6. It is used in the preparation of shoe polish.

☐ Charcoal

☐ Graphite

☐ Carbon Black

☐ Coke



7. The sweetner used by the diabetic patients.

☐ Sucrose

☐ Fruit Sugar

☐ Glucose

☐ Saccharine



8. A chemical used to remove all the stains from our clothes.

☐ Phosphorus

☐ Magnesium

☐ Ammonia

☐ Acetic Acid



9. A non-metal used at the top of match sticks to help the fire to burn.

☐ Sodium

☐ Phosphorous

☐ Flourine

☐ Magnesium



10. A chemical added in the preparation of cakes to make them soft and spongy.

☐ Sodium Bicarbonate

☐ Calcium Carbonate

☐ Magnesium Chloride

☐ Sodium Carbonate



DO YOU KNOW?

Naphthalene is made from crude oil or coal tar. It was first registered as a pesticide in the United States in 1948.

Mobile Mania

A. Read carefully the given statements and tick (✓) the correct choice.

1. These waves are used in Mobile Phone.

☐ Radio waves

☐ Microwaves

☐ Ultrasonic waves

☐ Supersonic waves

2. This messaging service is used to send a combination of text, sounds, images and video.

☐ SMS

☐ AMS

☐ MMS

☐ NMS

3. This is one of the wireless transmission standard that could replace cables between laptop and cellphone.

☐ Bluetooth

☐ PDA

☐ Red eye device

☐ Multimedia device


4. This band allows more data to travel faster over the air waves.

☐ Band width

☐ Frequency band

☐ Transistor

☐ Internet

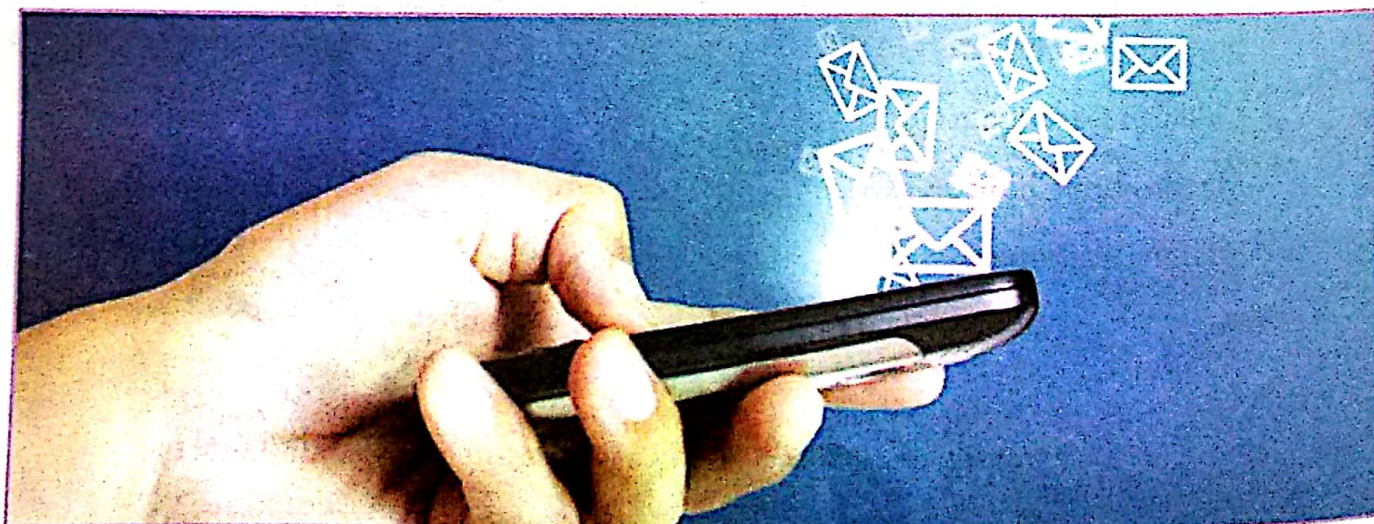
5. The icon  often used in mobile represents—

☐ Facebook

☐ Viber

☐ Mail

☐ Music



B. Given below are the abbreviations which are related to mobile phones and its network. Read carefully and expand them in the space provided.



1. SIM



2. PIN



3. SMS



4. MMS



5. GPRS

? DO YOU KNOW?

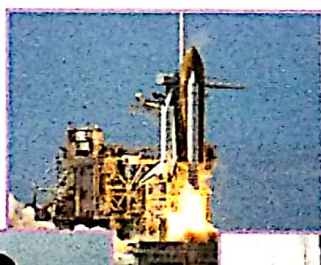
The first mobile telephone call was made on April 3, 1973 by Martin Cooper, a former Motorola inventor. He is also known as the 'Father of the Cellphone'.



► Gaseous World

A mixture of gases surrounds our earth like an envelope. Human beings make use of gases in different ways. The uses and names of some gases are given below in two columns. Match them.

Uses		Gases
1. It is the chief constituent of Gobar gas.	▷	▷ Oxygen
2. It is used for filling weather balloons.	▷	▷ Carbon dioxide
3. It is the major component of air.	▷	▷ Carbon monoxide
4. It is used (in liquid form) as propellant in rockets.	▷	▷ Methane
5. It is used in aerated drinks, such as soda water, lemon, orange or cola.	▷	▷ Helium
6. It is used in special electric bulbs which gives a coloured glow.	▷	▷ Ozone
7. It is used for filling electric lamps.	▷	▷ Freon
8. It is a highly poisonous gas.	▷	▷ Nitrogen
9. It is responsible for the 'Green House Effect' of the earth's atmosphere.	▷	▷ Neon
10. It is used as cooling agent in refrigerators.	▷	▷ Argon



Amazing Plants

Read carefully the description of some plants having special features. Name of these plants are given in the Help Box. Choose and write them against the correct description.

1. Its fragrant wood is used in furniture and as moth repellent. _____
2. It is an evergreen tree with needle-like leaves and woody cones. _____
3. Its leaves are used for preparing cigarettes, cigars and pipes. _____
4. It is a flowering plant, also named as four o'clock. _____
5. We obtain cork from the bark of this tree. _____
6. These can live at many different heights and temperatures. _____
7. It is a herb which acts as an aid to expel poison from the blood. _____
8. It is one of the cheapest natural fibres. _____
9. It is considered to be a possible aid to ease world food shortage. _____
10. It is the oldest known herb and considered sacred in India. _____

Help Box

Tobacco	Mosses	Bougainvillea	Fennel	Pine
Basil	Cedar	Jute	Soyabeans	Oak



Oak



Cedar



Fennel



Soyabeans



DO YOU KNOW?

Research Institutes of India

- | | | |
|---------------------------------------|---|---------------------|
| 1. Central Potato Research Institute | – | Shimla |
| 2. Central Coconut Research Institute | – | Ernakulam (Kerala) |
| 3. Central Rice Research Centre | – | Cuttack (Odisha) |
| 4. Central Salt Research Institute | – | Bhavnagar (Gujarat) |

▶ Amazing Animals

Life on earth began with a single cell. The same multiplied and changed into diversity. Read the special features given below and find out from the Help Box the animal possessing the same.

1. It is the animal with two-chambered heart.

F _____

2. The sole ape which is also India's tallest primate and the only monkey with no tail.

H _____

3. A rare bird possibly named after a temperature measuring instrument found only on the Nicobar Island.

T _____

B _____

4. World's largest snake which is also found in Sunderbans of West Bengal.

R _____

P _____

5. Bird famous for water-proof feathers.

D _____

6. A frog that becomes smaller when it grows older.

P _____

F _____

7. It is the only whale which has tusks.

N _____

8. This water mammal can hear the sound at 24 km (15 miles) depth under water.

D _____

9. It is the only mammal which does not have wings but can fly.

B _____

10. The adult fish has two eyes on one side of its head.

F _____



Hoolock



Flatfish



DO YOU KNOW?

While sleeping, dolphin's half brain goes to sleep and other half is awake. It prevents it from drowning and helps continue breathing.



Help Box

Fish	Reticulated Python	Duck	Bat
Flatfish	Thermometer Bird	Hoolock	Dolphin
Paradoxical Frog		Narwhale	

Smooth Working

A. Mechanical gadgets and instruments have made our life easy and comfortable. Read the statements and tick (✓) the correct name from the options given below.

1. It is used to see the objects that are quite far off.

- | | |
|-------------------------------------|---------------------------------------|
| <input type="checkbox"/> Periscope | <input type="checkbox"/> Binoculars |
| <input type="checkbox"/> Microscope | <input type="checkbox"/> Spectroscope |

2. It is used to magnify very minute particles.

- | | |
|-------------------------------------|-------------------------------------|
| <input type="checkbox"/> Microscope | <input type="checkbox"/> Periscope |
| <input type="checkbox"/> Telescope | <input type="checkbox"/> Binoculars |

3. It is an automatic running stairway.

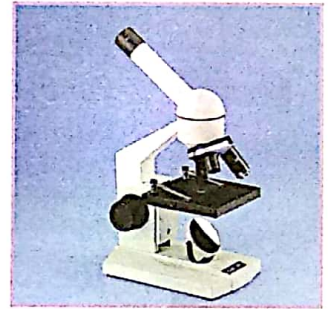
- | | |
|------------------------------------|-----------------------------------|
| <input type="checkbox"/> Escalator | <input type="checkbox"/> Elevator |
| <input type="checkbox"/> Projector | <input type="checkbox"/> Digger |

4. It is used for dragging soil and clearing garbage.

- | | |
|--------------------------------------|-----------------------------------|
| <input type="checkbox"/> Road roller | <input type="checkbox"/> Tractor |
| <input type="checkbox"/> Digger | <input type="checkbox"/> Computer |

5. It is used to make concrete structure of building by mixing together sand, cement and water.

- | | |
|-------------------------------------|---|
| <input type="checkbox"/> Projectile | <input type="checkbox"/> Concrete mixer |
| <input type="checkbox"/> Digger | <input type="checkbox"/> Escalator |



B. Here is the list of some useful inventions in Column A. Match them with the inventors in Column B.

A

1. Microscope ▷
2. Typewriter ▷
3. Safety Razor ▷
4. Diesel Engine ▷
5. Fountain Pen ▷

B

- (a) Rudolf Diesel ◁
- (b) Waterman ◁
- (c) Sholes ◁
- (d) Gillette ◁
- (e) Z. Janseen ◁

Fact File

Tiger Tales

Tigers are called *Panthera Tigers* in Latin, *Bagh* in Hindi and Bengali.

An average male tiger weighs about 180-200 kg and female about 140 kg.

The roar of a Royal Bengal Tiger can be heard up to 2 km.

Tigers like water. They are good swimmers and often cool themselves in ponds and streams.

Tigers hunt at night and like to hunt alone.



Tigers depend upon their canines teeth for survival, and if they lose their canines they can no longer kill and starve to death.



Tigers have stripes on their skin too. Even if they are shaved off completely, the distinctive pattern on their skin will still be visible.

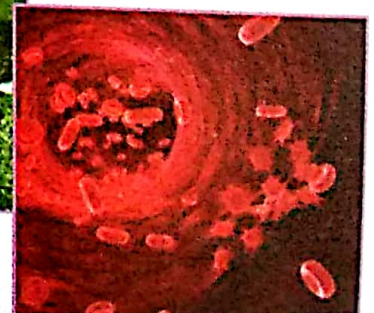
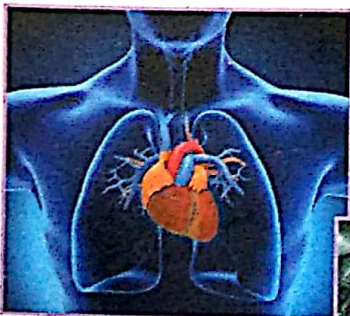
Test Your Wisdom

1. Fill in the blanks.

- _____ is the branch of science that deals with the study of insects.
- The dark patches that appear on the surface of the sun are called _____.
- _____ acts as the floor for the base of the lungs.
- _____ is present in our toothpaste to make our gums healthy.
- _____ gas is used for filling up electric lamps.

2. State the following statements as True or False.

- Cardiac muscles are found only in the heart of human body.
- Carbon monoxide is a highly poisonous gas.
- Lead is used in the preparation of shoe polish.
- Hoolock is an ape without a tail.
- Platelets are the small cells that are present in the blood.



3. Tick (✓) the correct answer.

a. A drug that lessens or stops pain.

Anaesthetic ☐

Analgesic ☐

Neuralgia ☐

b. A chemical used to remove all the stains from clothes.

Flourine ☐

Naphthalene ☐

Ammonia ☐

c. It is a herb that removes poison from the blood.

Oak ☐

Mosses ☐

Fennel ☐

d. A machine that is used for dragging soil and clearing garbage.

Escalator ☐

Digger ☐

Binoculars ☐

e. The minor planets that lie between Mars and Jupiter.

Meteors ☐

Asteroids ☐

Photosphere ☐

4. Match the following columns.

A

a. Vinegar

b. Femur

c. Bat

d. Sensory nerve

e. Sacred herb

B

(i) the largest bone

(ii) optic

(iii) basil

(iv) acetic acid

(v) mammal

5. Read the given conditions and write in the box the name of the sense organ to which they belong to.

a. Glossitis

b. Deafness

c. Cataract

d. Dermatitis

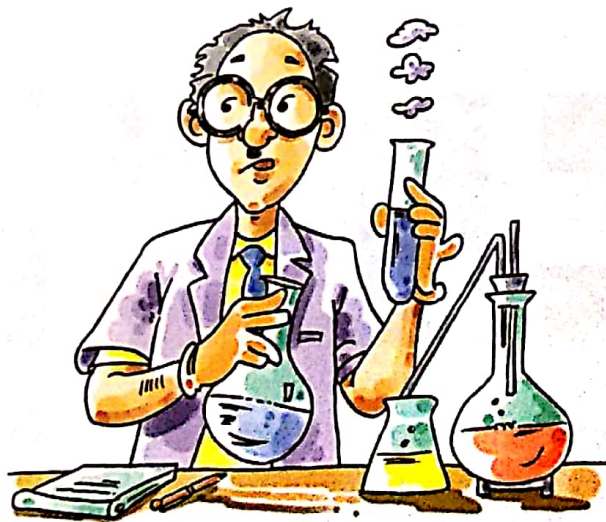
e. Anosmia



6. Arrange the following in their respective categories.

Aurora	Propane	Ecology	Zodiac	Nebula	Asoka
Psychology	Arjuna	Acetylene	Butane	Oceanography	Bael

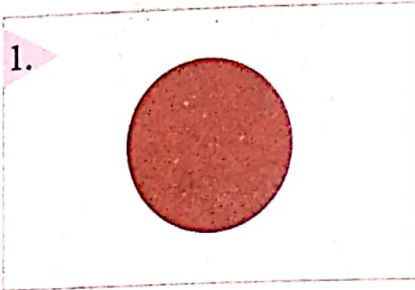
Gases	Plants	Space	Branch of Science



► National Flags

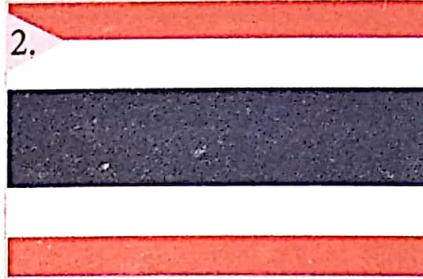
Identify the flags of different countries given below. The clues will definitely lead you to the correct answer.

1.



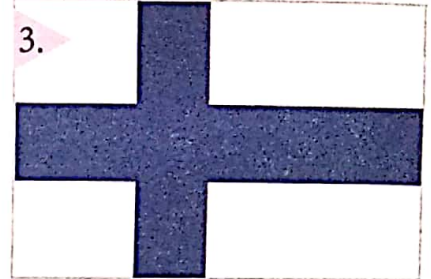
This flag belongs to the country which is the techno-giant of the world.

2.



This flag belongs to the country that is known as the Land of White Elephants.

3.



This flag belongs to the country that is known as the Land of Thousand Lakes.

4.



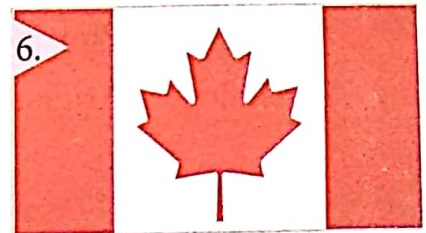
This flag belongs to the nation that loves the game of soccer.

5.



This flag belongs to the nation that is famous as Land of Golden Fleece.

6.



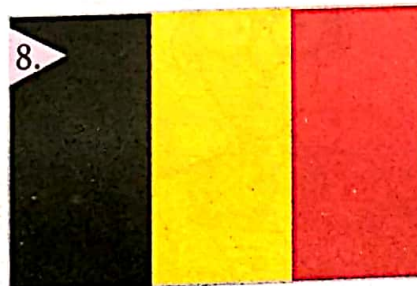
This flag belongs to the country which is known as Land of Maple (leaf).

7.



This flag belongs to the country that is known as the Gift of Nile.

8.



This flag belongs to the country that is known as the Cockpit of Europe.






9.



This flag belongs to the most populous country of the world.

Continental Quiz

Identify the continent to which the given countries and cities belong to.

Continent	Countries	Cities
1. <div>A <input type="text"/></div> 	<ul style="list-style-type: none"> India Malaysia Nepal Bhutan 	<ul style="list-style-type: none"> Jodhpur Kuala Lumpur Pokhra Thempu
2. <div>E <input type="text"/></div> 	<ul style="list-style-type: none"> Belgium France Greece Germany 	<ul style="list-style-type: none"> Brussels Marseille Athens Frankfurt
3. <div>A <input type="text"/></div> 	<ul style="list-style-type: none"> Egypt Kenya Ghana Nigeria 	<ul style="list-style-type: none"> Giza Nairobi Accra Lagos
4. <div>N <input type="text"/></div> <div>A <input type="text"/></div> 	<ul style="list-style-type: none"> Canada Mexico USA Cuba 	<ul style="list-style-type: none"> Toronto Puebla New York Havana
5. <div>S <input type="text"/></div> <div>A <input type="text"/></div> 	<ul style="list-style-type: none"> Chile Argentina Brazil Bolivia 	<ul style="list-style-type: none"> Santiago La Plata Brasilia Sucre



DO YOU KNOW?

- Antarctica contains no countries or Permanent residents.
- Australia is the only country on the Australian continent.

▶ UNO

United Nations Organisation (UNO) is an association of countries who have come together to maintain international peace and security. United Nations (UN) functions through its six principal organs. With the help of the clues given below, name these organs.

1. This is the main body of UN and consists of all its members.

G _____

2. The main responsibility of this organ of UN is to maintain international peace and security.

S _____

3. This is the organ of UN that works on economic, social, cultural and humanitarian problems.

E _____

4. This organ of UN prepares people for self-government or independence. It also supervises administration of the Trust Territories.

T _____

5. The main function of this UN organ is the settlement of international legal problems and disputes.

I _____

6. This organ looks into all administrative matters of UN and is headed by the Secretary General.

S _____



DO YOU KNOW?

As of now the UNO has 193 member states.

Water Ways

We know that all the ancient civilisations evolved on the banks of great rivers. Given below are some of the major rivers. Identify the countries they flow through. A prominent city, which has come up on the bank of each river, is mentioned here as a clue. One has been done for you.

City	River	Country
1. Paris	Seine	<u>France</u>
2. Lahore	Ravi	_____
3. New York	Hudson	_____
4. Alexandria	Nile	_____
5. Baghdad	Tigris	_____
6. London	Thames	_____
7. Rangoon	Irawaddy	_____
8. Kathmandu	Bagmati	_____
9. Budapest	Danube	_____
10. Canton	Canton	_____



Ravi



Hudson



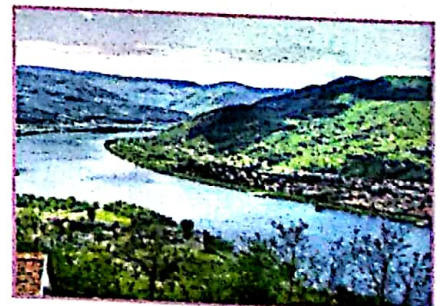
Nile



Thames



Irawaddy



Danube

Tribes of the World

Given below are names of some tribes of early people. Name the continent or the country they belong to using the Help Box given below.

1. Eskimos
2. Bantus
3. Finns
4. Sherpas
5. Maori
6. Pygmies
7. Veddas
8. Gaucho
9. Banjaras
10. Red Indians



Eskimos



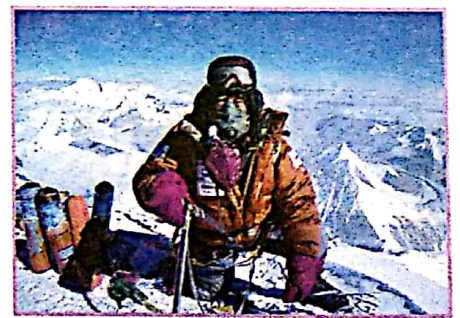
Bantus



Gaucho



Pygmies



Sherpas

Help Box

Canada or Greenland	Central and South Africa
Sri Lanka	Tundra and Europe
Congo Basin (Zaire)	Nepal
India	Uruguay, Argentina
New Zealand	North America



DO YOU KNOW?

The earliest people of a place are called **Aborigines**. They have a distinct appearance, culture and lifestyle.

Currencies

Given below are some currencies. The name of two countries where they are being used are also given. Name two more countries that use the same currency.

1. Seychelles

Mauritius

RUPEE

₹

2. Uruguay

Philippines

PESO

₱

3. Congo

Luxembourg

FRANC

₣

4. Zimbabwe

Singapore

DOLLAR

\$

5. Cyprus

Lebanon

POUND

£

6. Libya

Bosnia

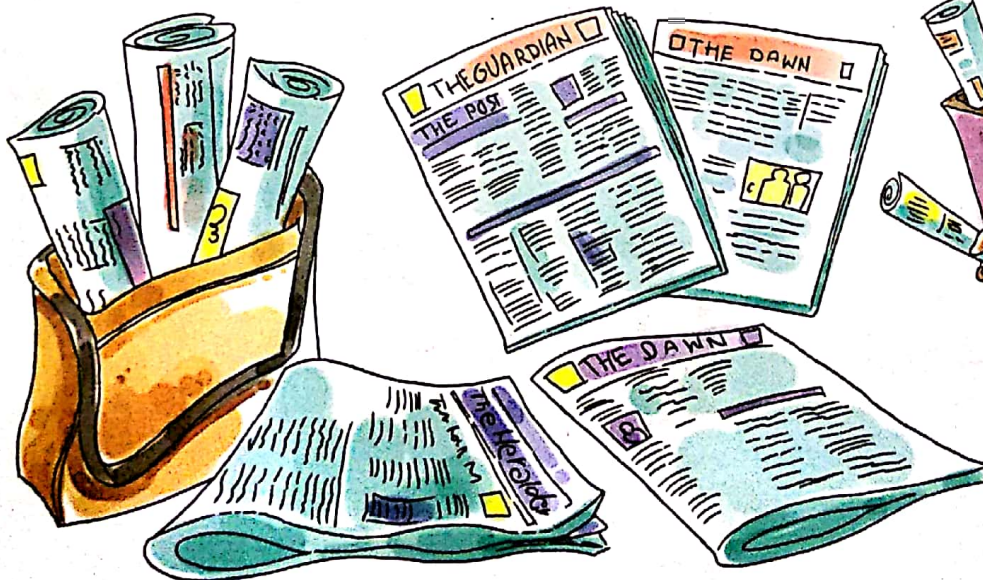
DINAR

₪

News 'n' Views

Newspapers are the cheapest means to get updated on latest information and facts about people and events from places all over the world. Match the newspapers given in Column 'A' to the countries they belong to given in Column 'B' by writing the numbers in the brackets.

A	B
1. Dawn	Nepal ()
2. The Mirror	China ()
3. Pravda	France ()
4. La Croix	Pakistan ()
5. Annapurna Post	Russia ()
6. Lankadeepa	United Kingdom ()
7. Yomiuri Shimbun	Sri Lanka ()
8. Nanfang	Japan ()
9. Al Tahrir	India ()
10. The Hindustan Dainik	Egypt ()



? DO YOU KNOW?

The first newspaper in India – *The Bengal Gazette* was started in 1780 by James Augustus Hicky.

National Emblems

With the help of given clues, complete the puzzle on the National Emblems of different countries.

1.	K								
2.	L								
3.	B								
4.	R								
5.	G								
6.	K								
7.	E								
8.	L								
9.	E								
10.	C								



Kangaroo



Kiwi

Clues:

- The animal that carries its young one in its pouch is the national emblem of Australia.
- The flower that grows in water is the national emblem of France.
- The stretch of land along the sea is the national emblem of Denmark.
- The flower that is considered most beautiful is the national emblem of Iran and United Kingdom.
- The national emblem of USA is a rod made of shiny yellow precious metal.
- The national emblem of New Zealand is a flightless bird with a long bill.
- The national emblem of Syria is the powerful bird known for its sharp eyesight.
- 'King of the Jungle' is the national emblem of Sri Lanka, Norway, Belgium, Netherlands and Sierra Leone.
- The huge land animal is the national emblem of Ivory Coast.
- The figure of moon, when less than half visible, is the national emblem of Pakistan.

► Magnificent Masters of the World

Many remarkable rulers, like Kings, Queens, Generals, Presidents or Prime Ministers, have shaped the destiny of different countries of the world. Given below are the names of some such rulers. Identify the countries they belonged to.

1. Napoleon Bonaparte declared himself the Emperor of F
2. Cleopetra ruled over this ancient land of pyramids. E
3. Alexander, who wished to conquer the world, belonged to G
4. George Washington was the first President of U
5. Hitler killed or drove away all the jews from this country. G
6. Mao-Tse-Tung was the father of communist revolution in this country. C
7. Winston Churchill was the powerful Prime Minister of this country. U
8. Ashoka conquered most of the neighbouring states and spread his empire far and wide. He was the Emperor of I
9. Sheikh Mujib-Ur-Rahman broke away from Pakistan to form this new nation in 1971. B
10. Nelson Mandela after serving a prison sentence for over 30 years, became the President of S



Napolean Bonaparte



George Washington



Hitler



Nelson Mandela

? DO YOU KNOW?

The national flag of Italy was designed by Napoleon Bonaparte.

Meal-Time Quiz

All that we eat and drink is not solely produced in our country. Given below are the clues that will lead you to name some of the food products and beverages that are widely exported and imported by different nations of the world.

1. This is a drink that grows mainly in China and India.
2. This is a cereal that is used to bake breads, cakes and *chappaties*. USA, Russia and India are its main producers.
3. Hot or cold everybody likes to drink it. Brazil and Colombia are its main producers.
4. It lives in water. Bangladesh, Japan and Norway are its major traders.
5. This product brings sweetness in our food and drinks. It is mainly grown in India, Brazil and Cuba.
6. This is staple food of most of the people in world. India, Vietnam and Indonesia are its chief producers.
7. From this crop we extract the cooking medium which is used to cook the meals. It is mainly grown in India and China.
8. This product is the main ingredient of the delicious chocolate that we love to eat. Ghana, Brazil and Nigeria are its chief producers.
9. This fruit is so beneficial for our health that if we eat it regularly we will never have to visit a doctor for treatment. Its chief producers are USA and France.
10. This is a vegetable that is the universal favourite of all people. It is rich in vitamins and minerals too.

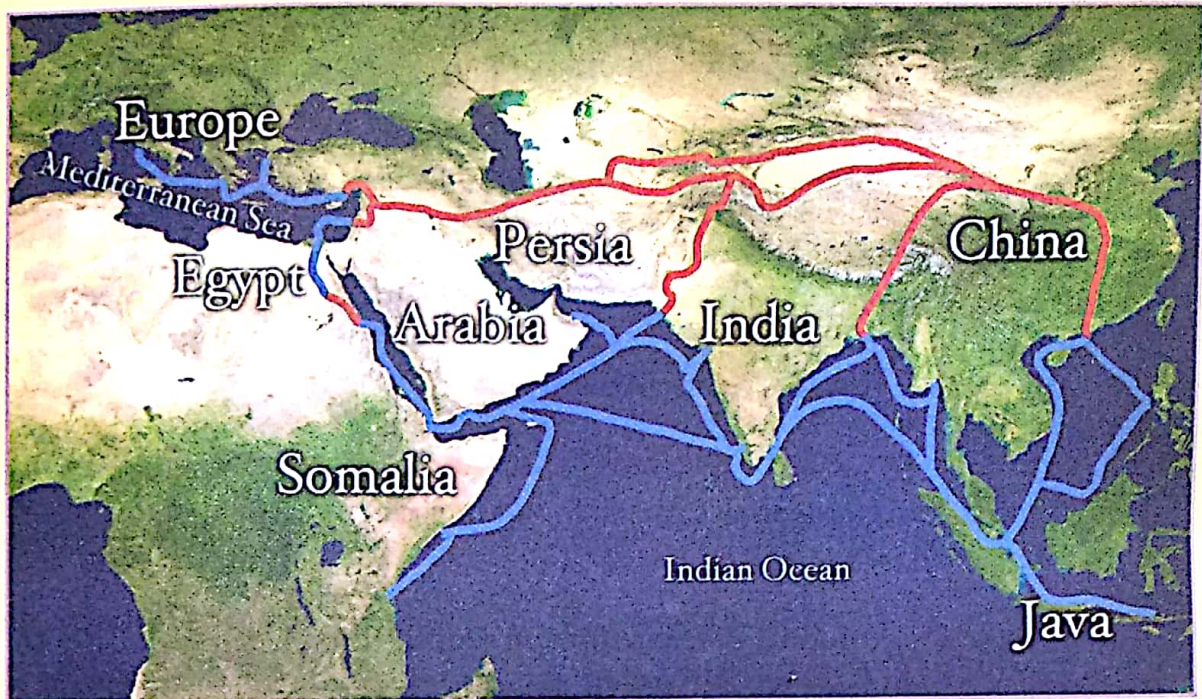
? DO YOU KNOW?

Chillies were unknown to the Indians until 400 years ago. Chillies initially came to Mexico and were introduced in India by the Portuguese.



Fact File

Silk Route



- ▶ Silk Route or Silk Road is not a road in the common sense of the term but the oldest route in our civilisation connecting Europe to Asia.
- ▶ It derives its name from the lucrative trade in Chinese silk carried out with the west, especially with Rome.
- ▶ It is believed that the Bubonic plague, or Black death travelled to Europe from Silk Route only.
- ▶ Marco Polo was one of the first Europeans who travelled by the Silk Route and returned to tell the Europeans about the exotic civilisation in the East.
- ▶ In June 2014 UNESCO designated the Chang'an—Tianshan corridor of the Silk Road as a World Heritage site.



Test Your Wisdom

1. Read the following and tick ☒ the correct answer.

a. Flightless bird with a long beak is the national emblem of—

Australia ☐

Canada ☐

New Zealand ☐

b. George Washington was the first President of—

UK ☐

USA ☐

Russia ☐

c. River Danube flows through—

Hungary ☐

France ☐

Australia ☐

d. What are Bantus, Finns and Lapps?

Island States ☐

Rivers ☐

Tribes ☐

e. Ashoka was the emperor of—

Germany ☐

Russia ☐

India ☐

2. Encircle the odd man out.

a. Seine, Irawaddy, Eskimos, Hudson

b. Cleopetra, Ashoka, Marco Polo, Alexander

c. Egypt, Kenya, Chile, Ghana

d. Peso, Dinar, Franc, Pravda

e. Paris, London, Toronto, Brazil



3. Read the names given in each group and find out what is common in them.

a. Canada, Nepal, China

b. Dawn, Al Tahrir, La Croix

c. Wheat, Rice, Sugarcane

d. Franc, Pound, Dollar

e. Sherpas, Pygmies, Red Indians

4. State the following statements as True or False.

- a. *Pravda* is the popular newspaper of Japan.
- b. Hitler hated Jews.
- c. Lily is the national emblem of Denmark.
- d. America is known as the Land of Golden Fleece.
- e. Rice is the staple food of Indonesia.

5. Answer the following questions.

- a. What four letter currency is common in Europe?
- b. Which institution controls the monetary policy of Indian rupee?
- c. What is the currency of Vietnam?
- d. Name one place in India where currency notes are printed.
- e. Which is the most expensive currency?

E				
---	--	--	--	--

R				
---	--	--	--	--

D				
---	--	--	--	--

N				
---	--	--	--	--

P				
---	--	--	--	--

6. Complete the following with the correct information.

- a. The country having maximum number of people living in it. _____
- b. The temperature drops to _____ at _____ which is the coldest place on earth.
- c. The wettest place on the earth is Mount Wai'ale'ale, in the Hawaiian Islands having an average rainfall of _____
- d. Hindustani language is spoken by approximately _____ people in the world.
- e. The earliest paper money was the invention of _____

Myth Magic

Every culture has some popular mythical characters that are remembered for their extraordinary and strange characteristics. Match these characters with their description given below in the opposite column.

- | | | |
|----------------|---|--|
| 1. Sphinx | ▷ | a. His real name is St. Nicholas. He loves children and tries to bring happiness to them by fulfilling their wishes. |
| 2. Pandora | ▷ | b. A creature with lion's body and human head. He asked the people a riddle. All those who could not answer were killed and eaten up by him. |
| 3. Robin Hood | ▷ | c. This girl had a mysterious box which she was advised never to open. But, she opened the box as a result of which all the miseries of the world which were kept locked in box escaped and spread around the world. |
| 4. The Roc | ▷ | d. He was the strongest man of Greek mythology. He was given 12 impossible tasks to perform and he successfully performed all of them. |
| 5. Hercules | ▷ | e. This was the monstrous bird that carried Sindbad in the <i>Arabian Nights</i> . This huge bird ate baby elephants, horses, cattle and huge serpents too. |
| 6. Santa Claus | ▷ | f. He was thief from Sherwood forest who stole money from the rich and gave it to the poor. All the people loved him and the king's soldiers could never catch him because they protected him. |

? DO YOU KNOW?

Sphinx Riddle

What has one voice and walks on four feet in the morning, two feet in the afternoon and three feet in the evening?

Man has one voice, but when he is small he crawls on four legs. In his youth, he walks on two legs. In his old age, he has to use a stick for support, thus, walks on three legs.

Answer
Man

▶ Music Mania

Given below are pictures of singers and musicians performing on the stage. Identify their style of music.

Bhajan

Opera

Jazz

Ghazal

Pop

Folk



ACTIVITY

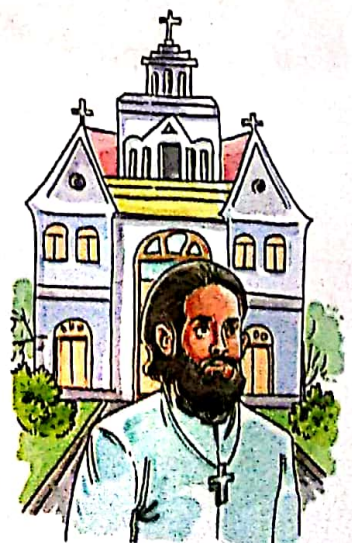
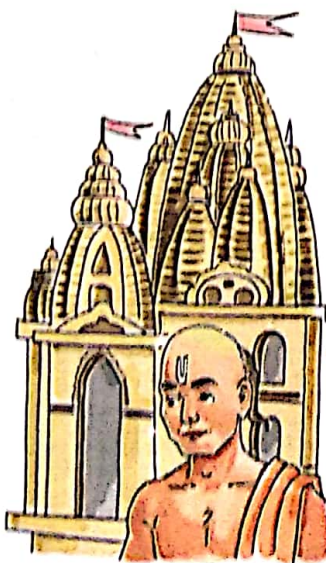
Find out the names of some famous performers of India.

Bonding with God

Given below are the names of different countries of the world. Classify them into equal groups of five on the basis of the religion that is practised by a large number of people living there. One has been done for you.

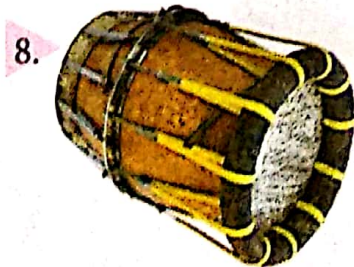
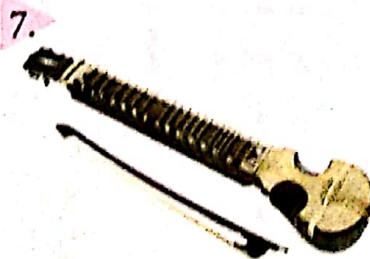
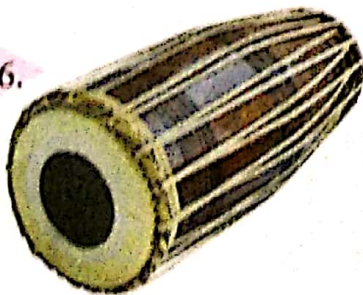
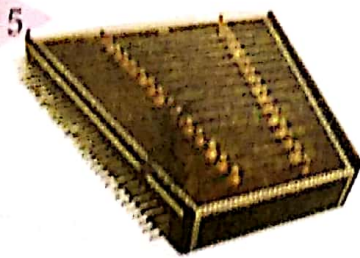
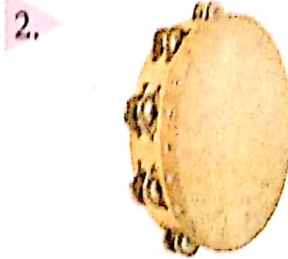
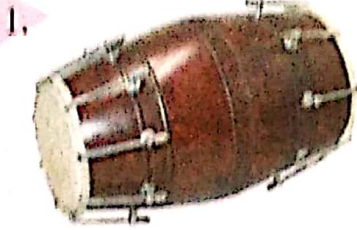
1. Japan	2. Iran	3. Italy	4. Fiji
5. Nepal	6. Sri Lanka	7. Jordan	8. USA
9. New Zealand	10. Iraq	11. Australia	12. France
13. Myanmar	14. India	15. Indonesia	16. Taiwan
17. Mauritius	18. Afghanistan	19. Kuwait	20. Thailand

HINDUISM	BUDDHISM	ISLAM	CHRISTIANITY
Mauritius	Taiwan	Jordan	Australia



Sound of Music

Identify each of the given musical instrument. Write its name in the space provided. Also match it to the state/place it belongs to on the given map.



Tongues

A language is also known as tongue. Unscramble the letters given below in the boxes and discover which tongue is spoken in the country given against it.

1. Kenya I L I H A W S
2. New Zealand M I R O A
3. Malaysia Y A L M A
4. Chile H S P A N I S
5. Israel W B H E E R
6. Cambodia H R E A K M
7. Egypt C B A I A R
8. Iran N A S I R E P
9. Sri Lanka E S E L A H N I S
10. Austria E R G N A M



? DO YOU KNOW?

Dr Harold Williams of New Zealand (1876-1928) was the greatest known linguist of the world. He could speak 58 languages and many dialects fluently.

Help Box

Arabic	Sinhalese
Hebrew	Spanish
German	Persian
Malay	Maori
Swahili	Khamer

Bon Appetite!

Every country of the world has its one or more famous food/dish. Given below are the names of some famous foods/dishes of different countries. Using the Help Box write the name of the country to which each belongs to.

1. Hamburger

2. Polenta

3. Sushi

4. Tortillas

5. Baklava

6. Hummus

7. Nasi Goreng

8. Chocolates

9. Chop-Suey

10. Chole Bhature



Hamburger



Polenta



Sushi



Chole Bhature



Hummus



Tortillas

Help Box

Mexico	USA	Italy	China	India
Switzerland	Japan	Indonesia	UAE	Turkey

▶ From Om to Amen

Try the quiz given below and find out how much you know about the different religions of the world.

1. Stupa is a—
☐ Gold Ornament ☐ Buddhist's place of worship
☐ A stadium for games
2. This religion has two sects of believes called Shia and Sunni. Which religion is this?
☐ Bahai ☐ Islam ☐ Hinduism
3. Pews in the church are—
☐ singers singing devotional songs.
☐ benches for people to sit while praying.
☐ candles offered by the worshippers.
4. Roman Catholics and Protestants are followers of which religion?
☐ Confucianism ☐ Christianity ☐ Bahai
5. In Japan ancestors are worshipped. What is it called?
☐ Shintoism ☐ Buddhism ☐ Zoroastrianism
6. 'Ban-Mitzvah' is a ceremony which is performed on a boy when he turns 13 and is considered old enough to join the community. In which religion is this ceremony performed?
☐ Hinduism ☐ Judaism ☐ Buddhism
7. The religion which believes that 'God', i.e. 'Atman' is present in all living beings.
☐ Hinduism ☐ Shintoism ☐ Islam
8. The followers of Zoroastrianism came from Persia and settled down in India. What are they called?
☐ Jains ☐ Parsis ☐ Buddhists
9. Maximum concentration of Jews is found in which country?
☐ Nepal ☐ Pakistan ☐ Israel
10. *Samyag Darshan*, *Samyag Gyan* and *Samyag Chaitra* are the three jewels of this religion.
☐ Jainism ☐ Buddhism ☐ Judaism

The World of Art

Given below are some of the famous paintings that have been produced by artists world-over. Use the Help Box given below and write the painter who has created each of these amazing works of art.

Mona Lisa



Painted by: _____

Portrait of Dora Maar



Painted by: _____

Krishna and Balarama



Painted by: _____

Pieta



Painted by: _____

Sunflowers



Painted by: _____

Two Elephants



Painted by: _____



DO YOU KNOW?

Leonardo da Vinci would buy caged birds and set them free. He was a vegetarian and animal rights activist.

Help Box

Pablo Picasso

Leonardo da Vinci

Jamini Roy

Michelangelo

Vincent Van Gogh

Amrita Shergil

Famous People of Indian Origin

Given below are the hints about some famous people of Indian origin. Use the Help Box to find out the correct names.

1. A Hollywood film and TV actor who achieved greater political heights under the administration of the President Obama.



Kalpen Suresh Modi

2. The 2009 Nobel Prize winner in chemistry.



Ajay Bhatt

3. The present appointed Governor of South Carolina.

4. The co-inventor of USB technology.

5. The designer of Intel Pentium Chip.



Nikki Haley

6. The winner of the Pulitzer prize for General non-fiction.

7. The former Prime Minister of Fiji.

8. The first person of Indian origin to be elected as the Chief Minister of a province in Canada.

? DO YOU KNOW?

Mauritius is the country that had five Prime Ministers who hail originally from the Bihar state in India.

Help Box

Kalpen Suresh Modi	Venkatraman Ramakrishnan	Nikki Haley
Ajay Bhatt	Vinod Dham	Siddhartha Mukherjee
Dosanjh	Mahendra Choudhary	

Puppet Show

Puppets have always served to educate people about traditional epics and other local tales. Given below are different forms of puppets. Match them with the given states.

Puppets	States
1. Kathputli	a. Uttar Pradesh
2. Gulabo Sitabo	b. Manipur
3. Putul Nach	c. Jharkhand
4. Chadar Badar	d. Maharashtra
5. Laithibi Jagoi	e. Odisha
6. Tolpava Kuthu	f. Tripura
7. Kalasutri Bahulya	g. Kerala
8. Gopalila	h. Rajasthan
9. Togalu Gombeyaata	i. West Bengal
10. Tarer Putul	j. Karnataka



Kathputli



Chadar Badar



Kalasutri Bahulya

ACTIVITY

Make a paper puppet and try to narrate a story in Hindi or English.

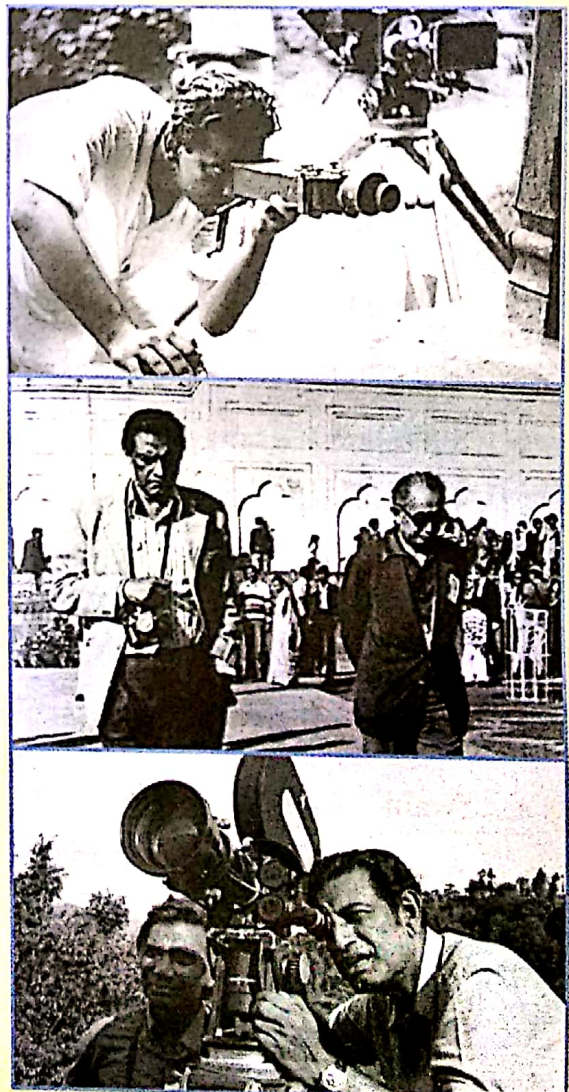
Fact File

Satyajit Ray



(2 May 1921 – April 1992)

- ▶ Satyajit Ray is considered as one of the greatest film-makers of the twentieth century.
- ▶ He directed 36 films, including feature films, documentaries and short stories.
- ▶ Ray's first film *Pather Panchali* (1955) won eleven International Prizes and Best human documentary at Cannes Film Festival in 1956.
- ▶ Ray is the second film personality after Charlie Chaplin to have been awarded an honorary doctorate by the Oxford University.
- ▶ Ray received 32 Indian National Film Awards and an honorary Academy Award in 1992.
- ▶ The Govt. of India honoured him with the Bharat Ratna in 1992.



Test Your Wisdom

1. Encircle the mis-matched component from each group.

- Michelangelo, Leonardo da Vinci, Alka Yagnik, Amrita Shergil
- Hebrew, Malay, Maori, Bahai
- Polenta, Baklava, Islam, Sushi
- Jainism, Hinduism, Buddhism, Picasso
- Kathputli, Gopalila, Putul Nach, Hercules



2. Replace the underline words with the correct one.

- The people of Israel are followers of Hinduism.
- The language of Chile is also known as Khmer.
- Pizza is the famous food of Japan.
- 'Ban-Mitzvah' is a ceremony performed in Buddhism.
- Shia and Sunni sects belongs to Hinduism.

3. Complete the following statements.

- The religion followed by Parsis is called _____
- Sinhalese is a language spoken in _____
- The Roc was the monstrous bird in the _____
- Satyajit Ray was honoured with Bharat Ratna in _____
- Hindus believe in presence of God or _____

4. Match the following:

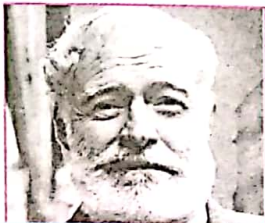
- Swahili
- Gulabo Sitabo
- Santa Claus
- Dafli
- Shintoism

- Japan
- Himachal Pradesh
- Kenya
- Uttar Pradesh
- St. Nicholas

5. State the following statements as True or False.

- The oldest known musical instruments are drums.
- The first pictures that man made were in first century AD.
- Rabindranath Tagore was a famous painter.
- Chinese language is spoken by more people than English.
- Valuable works of art are displayed at art galleries so that has an opportunity to see them.

6. Give a proper heading to these famous personalities.



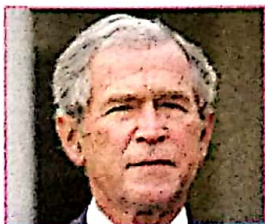
a.	Ernest Hemingway	Munshi Prem Chand	Leo Tolstoy	
----	------------------	-------------------	-------------	--



b.	Sri Jayendra Saraswati	H.H. Dalai Lama	Pope John Paul II	
----	------------------------	-----------------	-------------------	--



c.	Satish Gujral	Raja Ravi Verma	Peter Paul Rubens	
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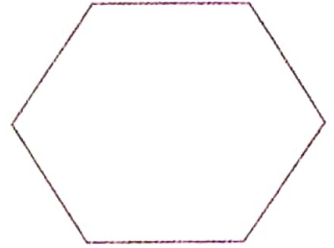
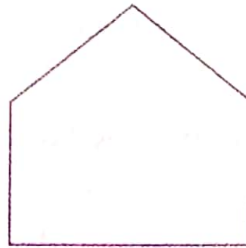
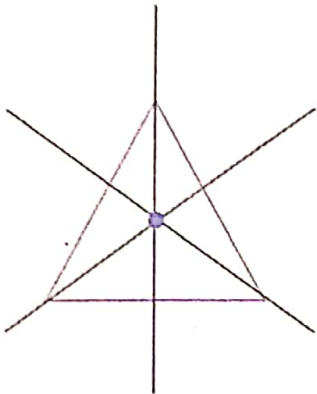


d.	George W. Bush	Jacques Chirac	Pranab Mukherjee	
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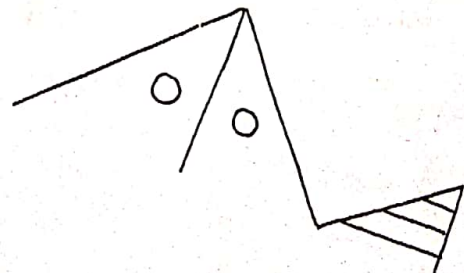
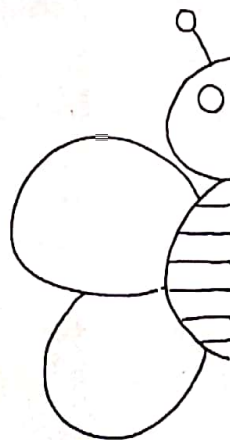
► In Sync with Symmetry

A figure can be divided into equal and identical parts such that each part is mirror image of other. The lines that divide a figure into exactly equal matching parts are known as the **Lines of symmetry**.

A. Draw the Lines of symmetry for the following figures. One is done for you.



B. Complete the figures by drawing the symmetrical patterns on the other side and colour them.



Let Us Count

Tick (✓) the correct option.

1. My aunt gave birth to twins. How many children were born?
☐ 2 ☐ 4 ☐ 6
2. If a woman has given birth to quadruplets, how many babies would she have?
☐ 2 ☐ 3 ☐ 4 ☐ 5
3. How many colours put together make the white light?
☐ 6 ☐ 7 ☐ 8 ☐ none
4. How many tentacles does an octopus have?
☐ 8 ☐ 10 ☐ 16
5. My sister is in her teens. She would be—
☐ 13-19 years ☐ 20-25 years ☐ 25-30 years
6. How many pairs of claws does a crab have?
☐ 2 ☐ 5 ☐ 10
7. A batsman scored a century in the match. He made—
☐ 50 runs ☐ 80 runs ☐ 100 runs
8. My grandma is an Octogenarian. How old could she be?
☐ 60 - 69 years ☐ 70 - 79 years ☐ 80 - 89 years
9. My uncle and aunt are celebrating their silver wedding anniversary. How many years of marriage have they completed?
☐ 10 ☐ 25 ☐ 50
10. How many cents are there in an American dollar?
☐ 50 ☐ 100 ☐ 500



ACTIVITY

Place your finger on your wrist, below the thumb. Feel your pulse and count number of beats in fifteen seconds. Multiply it by four. You will get your heart rate per minute.

Symbols and Numbers

Different numbers are written differently. Here are some basic symbols.

Numbers	Roman	Hindi	Greek
1	I	१	
2	II	२	
3	III	३	
4	IV	४	
5	V	५	Γ
6	VI	६	Γ
7	VII	७	Γ
8	VIII	८	Γ
9	IX	९	Γ
10	X	१०	Δ
50	L	५०	Λ
100	C	१००	Η
500	D	५००	Ϟ
1000	M	१०००	Χ



DO YOU KNOW?

There is no numeral for ZERO in Roman System of Numeration.

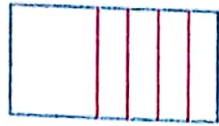
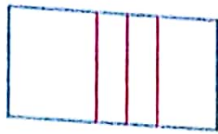
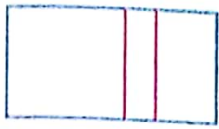


Figure It Out!

MATH MAGIC

Select the appropriate figure from the box to complete each series of figures.

1.



A



B

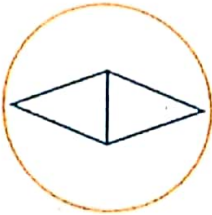
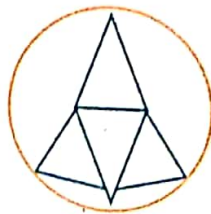
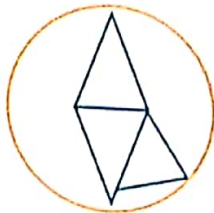
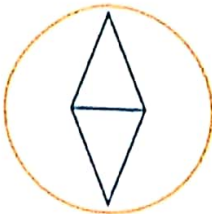


C

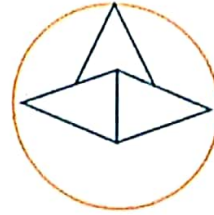


D

2.



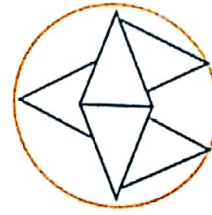
A



B



C

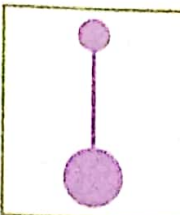
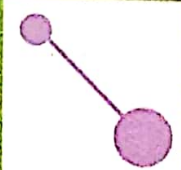
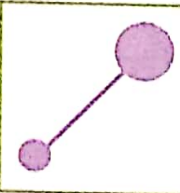
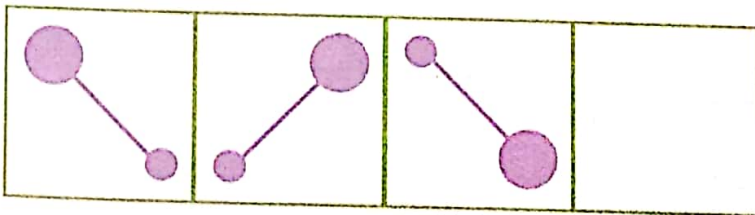


D

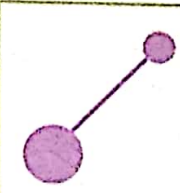


E

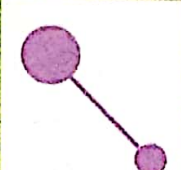
3.



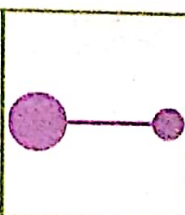
A



B



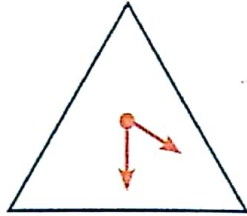
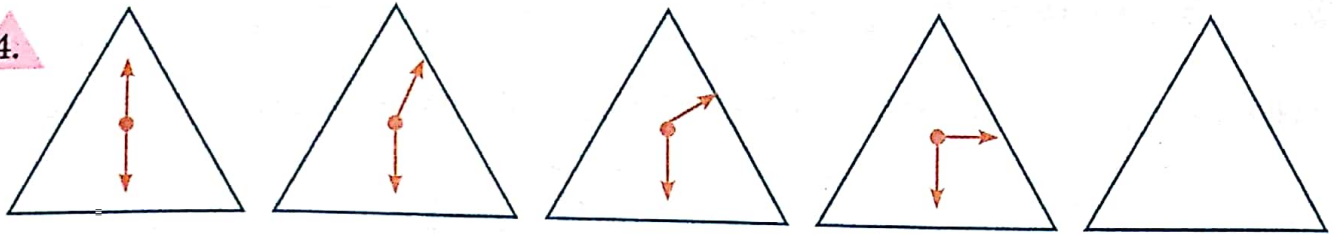
C



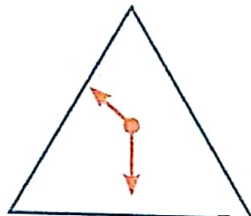
D



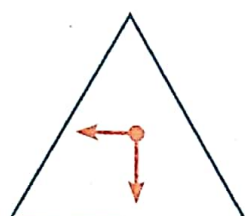
4.



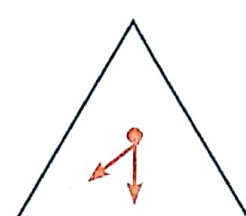
A



B

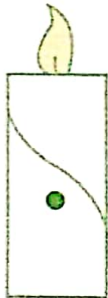


C



D

5.



A



B



C



D

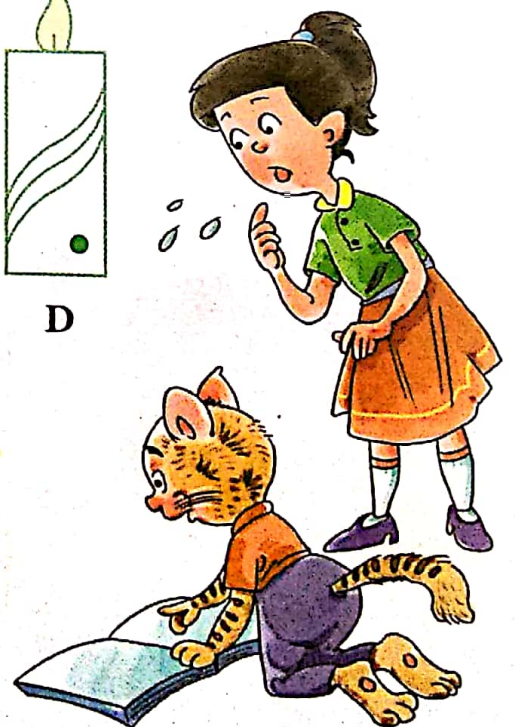
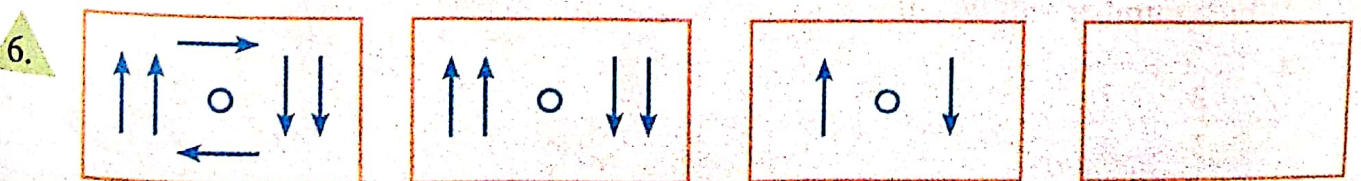
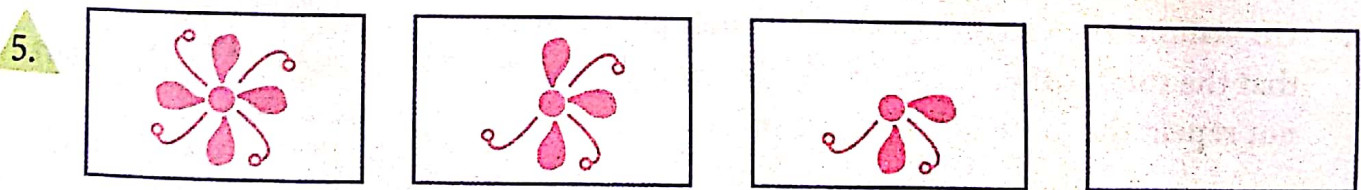
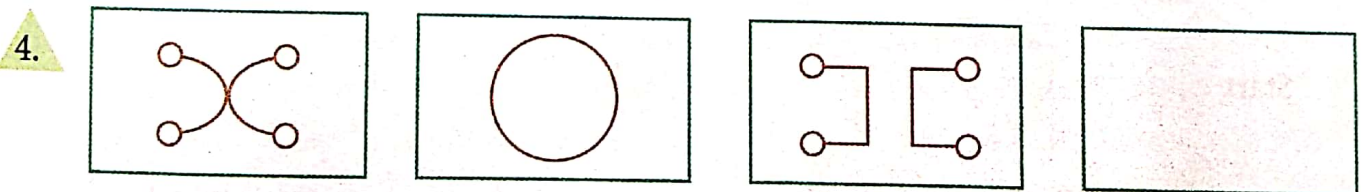
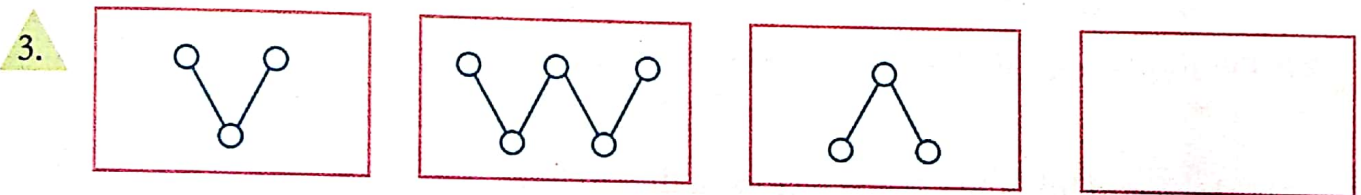
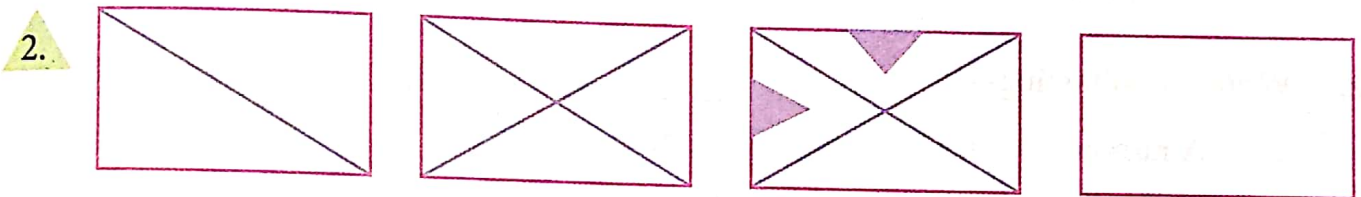
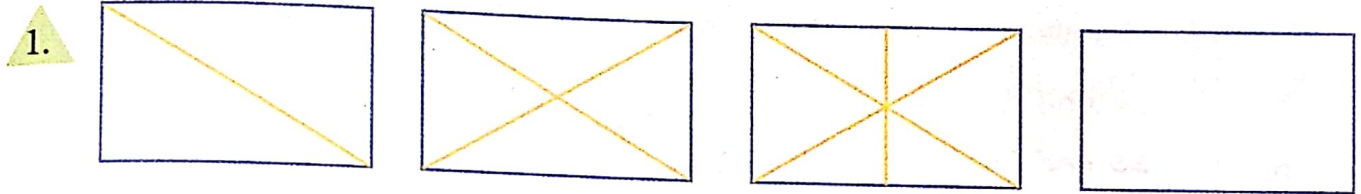


Figure It Out Too!

The following figures are related in some manner. Observe them carefully and draw the next figure.



► Into the World of Numbers...

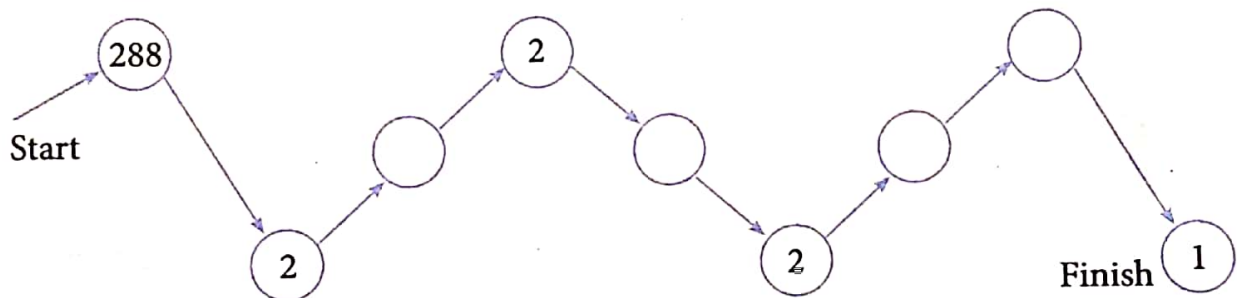
1. Fill in the blanks.

	Numbers	Common Factors	LCM	HCF
a.	6 and 8			
b.	15 and 24			
c.	32 and 48			

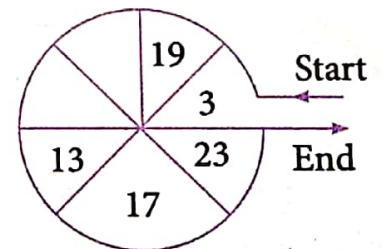
2. Write the following—

- A number neither Prime nor Composite.
- A set of 'Twin Primes'.
- The only Even Prime number.
- Two Prime numbers with a difference of one.

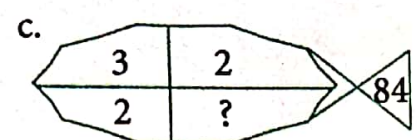
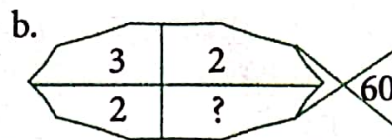
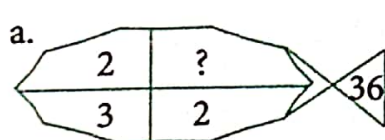
3. Go along and fill in the Prime factors in the circles.



4. Go around the circular path with such prime numbers that the total works out to be 88. Remember you should not repeat the same prime number.



5. Which number will take the place of the question mark?



Fun with Numbers

Numbers are always fun to work with. Read the given statements involving numbers and solve them to get the correct answer.

1. A number has four digits. Its last digit is twice the first digit. Its second digit is three less than the third digit which is 6. But if you add the last digit to the first, your answer will be twelve. What number is it?

2. How should four 8's be taken to get the sum of 504?

3. It is quarter past two in London. What time would a watch show in Delhi assuming Delhi is five and a half hours ahead in time?



4. The sum of three numbers is 25. The second number is twice the first. The third number exceeds the second by 5. Find the numbers.

5. The sum of three consecutive integers is -33 . Find the integers.

6. Read both the statements to find my number—

- Twice my number is added to 4.
- The number 11 is added to my number.

If in both the cases the answer is 18, find my number.

7. The alphabetical order is reversed and written such that $Z = 1$, $Y = 2$ and so on. What would 4, 18, 1 and 16, 18, 23 mean?

8. Every alternate number in a clock starting from 1 is replaced by a letter as $1 = A$, $3 = C$, and so on. Which letter will replace 11?



Scratch Your Head

Relations and relationships have always been important in life. But, sometimes they are a bit confusing, aren't they? Read the following questions and tick (✓) the correct answer.



- Pointing to a photograph, Geeta says, 'This woman is the only daughter of my mother's father.' How is Geeta related to the woman in the photograph?
☐ Mother ☐ Daughter ☐ Grandma
- Ram said, 'Mr Sharma's only brother is the father of my daughter's father.' How is Mr. Sharma related to Ram?
☐ Nephew ☐ Father ☐ Uncle
- Anita's mother is the daughter of Rohan's sister. How is Rohan's sister related to Anita?
☐ Mother ☐ Sister ☐ Grandma
- Shyam was walking along a sweet girl. When asked about the girl, she replied, 'Her mother is the only daughter of my mother-in-law.' How is the girl related to Shyam?
☐ Cousin ☐ Daughter ☐ Sister
- Mrs. and Mr. Verma have three children – Anita, Ajay and Vijay. Vijay married Shiela, the eldest daughter of Mrs. and Mr. Tripathi. How is Shiela related to Mr. and Mrs. Verma?
☐ Daughter ☐ Daughter-in-law ☐ Mother-in-law
- Sumeet is the only son of my sister. How is Sumeet related to me?
☐ Son ☐ Nephew ☐ Niece



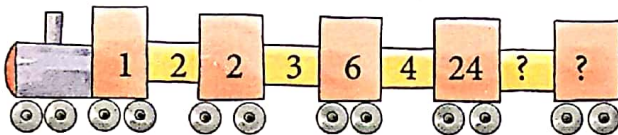
Brain Boosters

A. Cross the odd ones out!

1. (53) (59) (61) (67) (73) (91) (97)
2. (7) (14) (21) (28) (35) (36) (42)
3. (1) (4) (8) (9) (25) (36) (49)
4. (51) (21) (78) (38) (71) (81) (99)

B. Find the missing numbers.

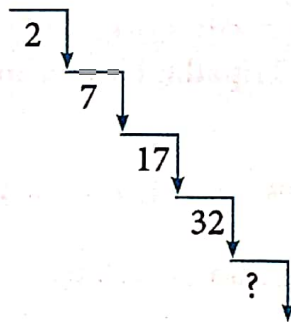
1. Complete the series with correct numbers.



2. Write the missing number in the blurb.

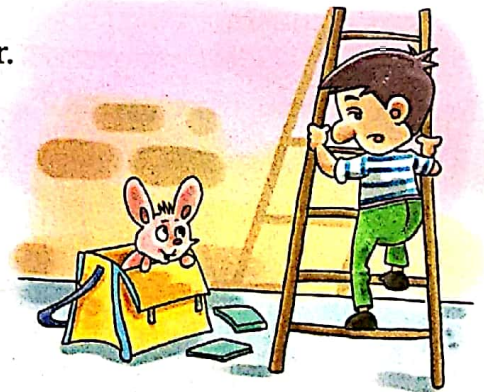
- | | | |
|-----|-----|-----|
| (A) | (3) | (E) |
| (N) | (2) | (Q) |
| (R) | (?) | (T) |

3. Go down the steps and write the missing number.



4. Write the appropriate number in the empty space.

	D	X	
A	2	?	Z
N	1	3	K
	P	G	



Walk on a Circular Path...

Solve the crossword by reflecting upon your geometrical concepts related to a circle.

Across

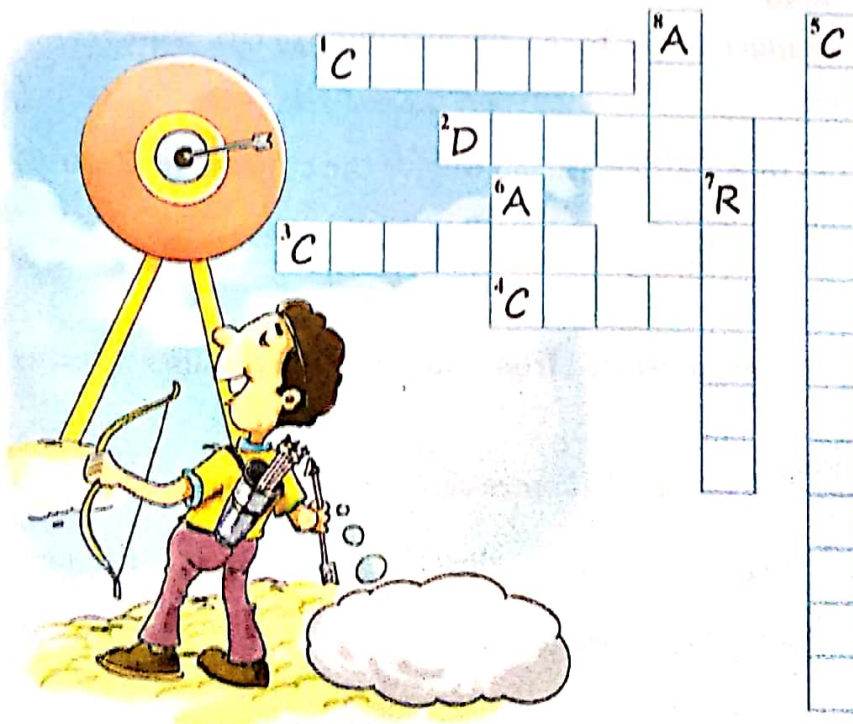


1. A shape that has all points at the same distance from its centre.
2. The distance across a circle through its centre.
3. All points on the circle are at the same distance from this point.
4. A line joining any two points of a circle.

Down



5. Distance around the circle.
6. Part of the circle consisting of a curved line.
7. Distance from the centre of the circle to a point on the circle.
8. The number of square units occupied by a circle.



Fact File

Brahmagupta



(598 – 668 AD)

- ▶ Brahmagupta was a famous Indian mathematician and astronomer in the seventh century AD.
- ▶ Born at Rajasthan at Bhilmala, he grew up to be a brilliant scholar. He was also known as 'Bhillamacharya', that is, teacher from Bhilmala.
- ▶ He worked under King Vyaghrakukha as the head of Astronomical Observatory at Ujjain.
- ▶ He wrote two famous books—*Brahmasphuta Siddhanta* based on mathematics and *Khadakhadaya* based on astronomy. His works were written in poetic form.
- ▶ Brahmagupta was the first mathematician to give the concept of 'Zero' as a number in his book.
- ▶ He gave the rules—
 - When zero is added or subtracted from a number, the number remains unchanged.
 - A number multiplied by zero becomes zero.
- ▶ He also stated the fact that the moon was closer to the earth than the sun.
- ▶ He was a pioneer in the field of mathematics.

Test Your Wisdom

1. Fill in the blanks.

a. 4 hours + 12 minutes = _____ minutes.

b. $340 - (5 \times 4 \times 12) =$ _____

c. Six times 8 + nine times 5 = _____

d. The product of smallest prime number and smallest composite number _____

e. The first five multiples of 17 = _____

f. HCF of 36 and 48 = _____



2. Write the Roman Numbers for the following.

550 = _____

109 = _____

1010 = _____

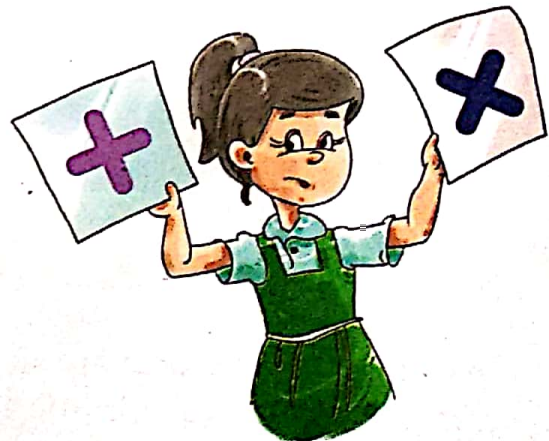
3. Encircle the odd one out.

a. + × ÷ ∠ -

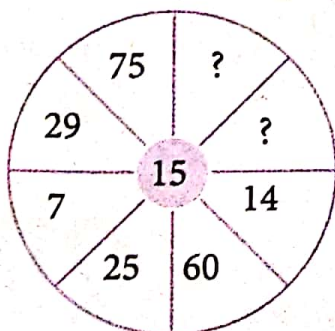
b. = ≠ > < *

c. ∠ ⊥ ∠ ∠ ∠

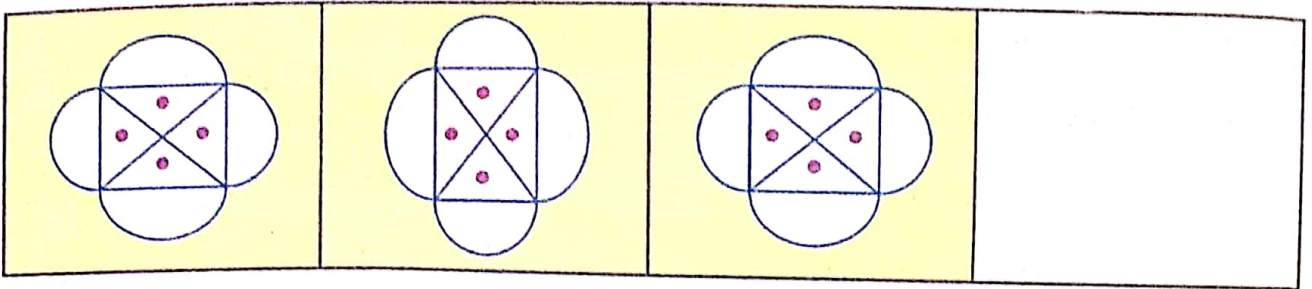
d. ○ △ □ ⬡ ⬡

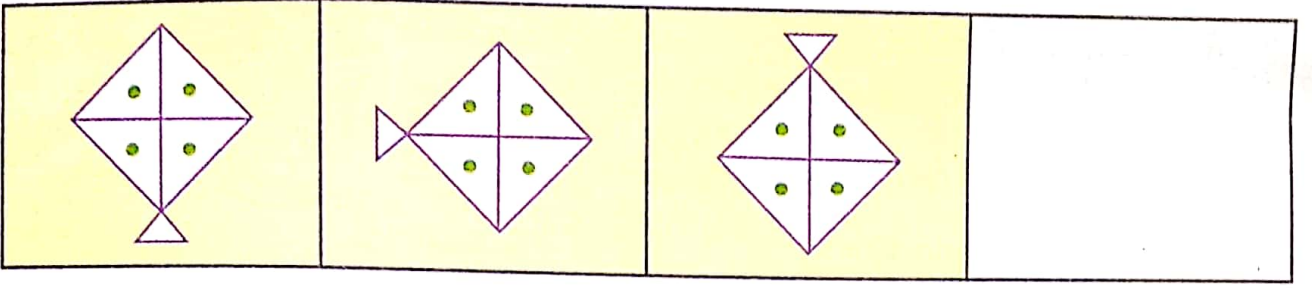


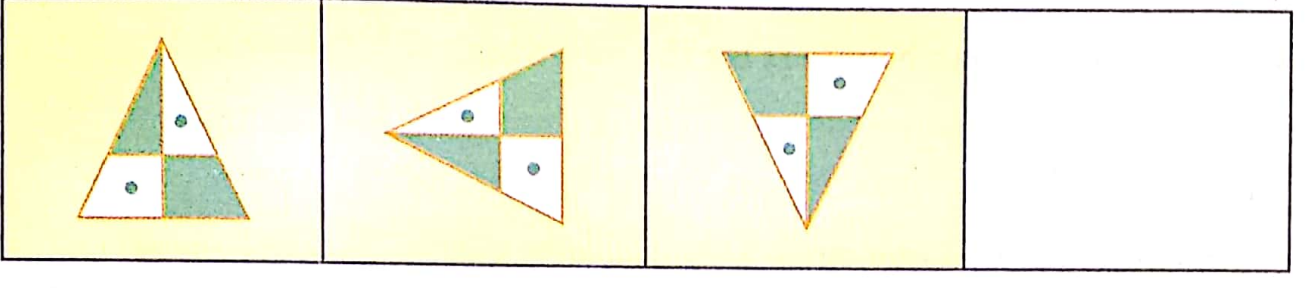
4. Fill in the missing numbers.

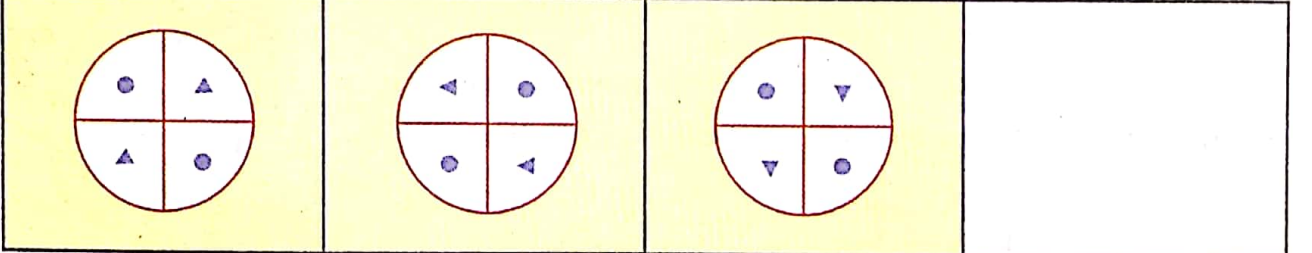


5. What will be the next figure?

a. 

b. 

c. 

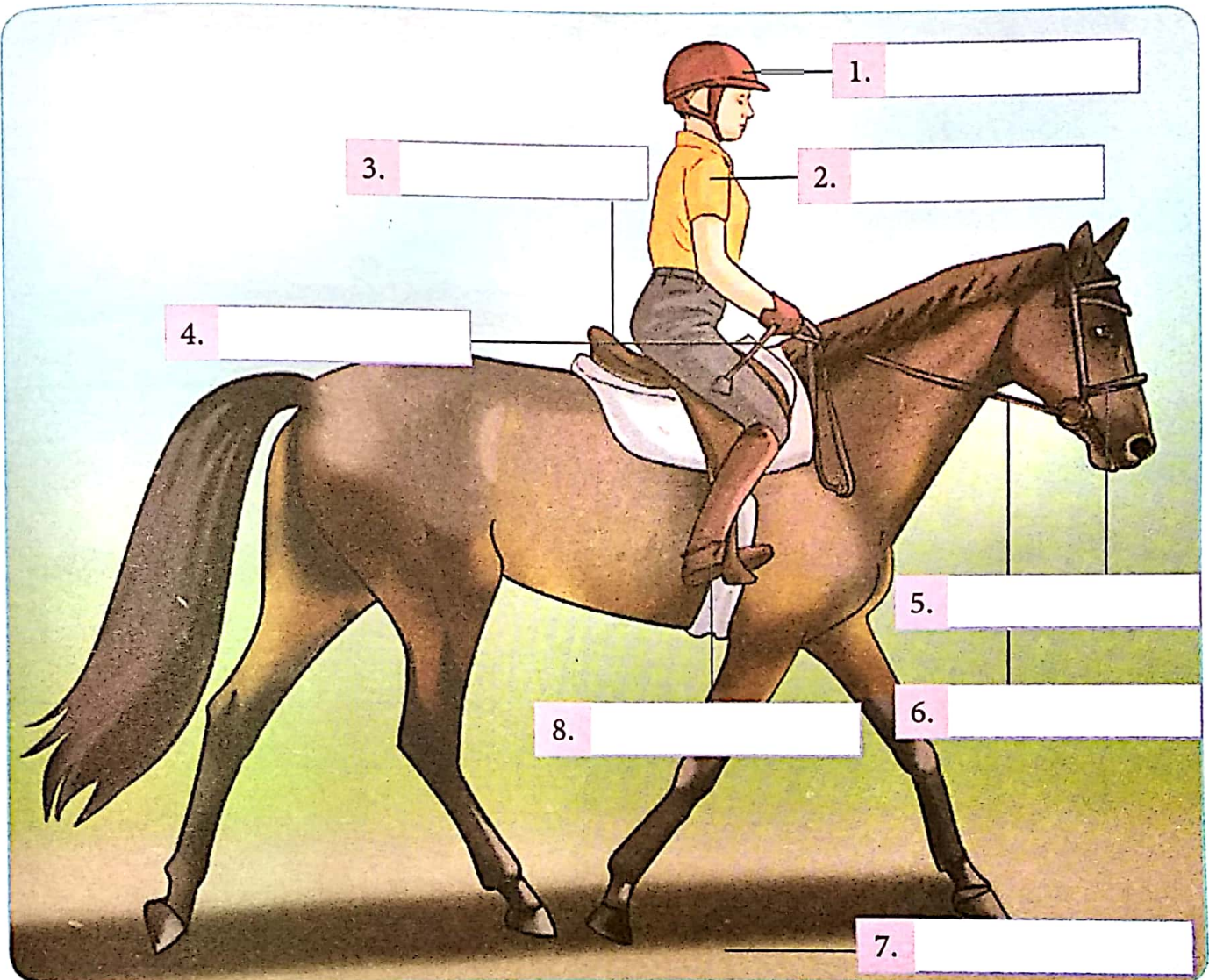
d. 

6. In a row, five children are sitting together. A is sitting next to B, while D is to the left of A. E is sitting to the left of D. C is in a corner and sitting on the left of E. Who are sitting on the two ends of the row?



Riding a High Horse

The Horse-Riding events involve Cross Country Races, Jumping Competitions, Horse-Shows and so on. Let us acquaint ourselves with commonly used terms related to this event. See the given picture carefully and write the terms in the boxes provided using the Help Box.



DO YOU KNOW?

Polo is a team sport played by two teams. The four riders on horse-back in each team use long-handle mallets to strike the ball in opponent's goal. This sport was passed to India from Persia. In Manipur this sport was played in the eighteenth century and called 'Sagol Kangjei'.

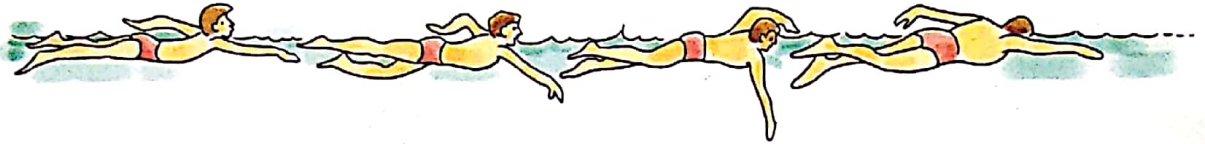
Help Box

Whip	Helmet
Reins	Jumping course
Bridle	Jockey
Stirrups	Saddle

Fun with Water

A. Swimming movements are known as Strokes. Four different strokes are shown in the following pictures. Recognise and name them using the clues from the Help Box.

1.



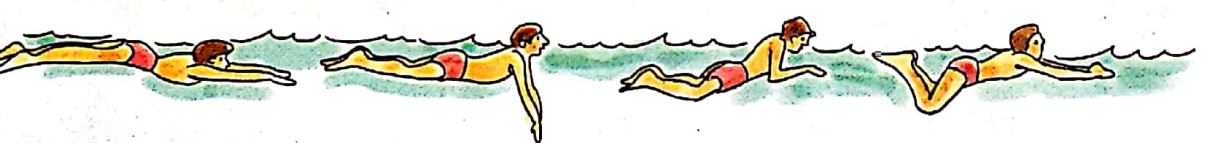
2.



3.



4.





DO YOU KNOW?

Mihir Sen was India's most renowned swimmer. He was the first Asian to swim across the English Channel in the record time of 14 hours 45 minutes on 27 September 1958. His name appears in the *Guinness Book of World Records* for his international swimming.



Help Box

Butterfly stroke

Back stroke

Breast stroke

Crawl

- B. During a High Dive, a diver has to undergo a sequence of positions. Number the following positions correctly in the boxes provided.

a.



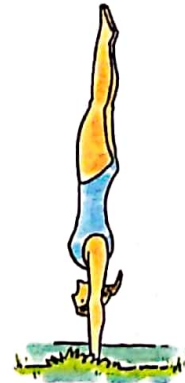
b.



c.



d.



e.



f.



? DO YOU KNOW?

Chlorine, used in cleaning the swimming pools, can be highly toxic. If present in great quantity, the excess chlorine can irritate the skin and trigger breathing problems. If such water is swallowed, the digestive system can also be affected. Swimmers must report such matters to the authorities.



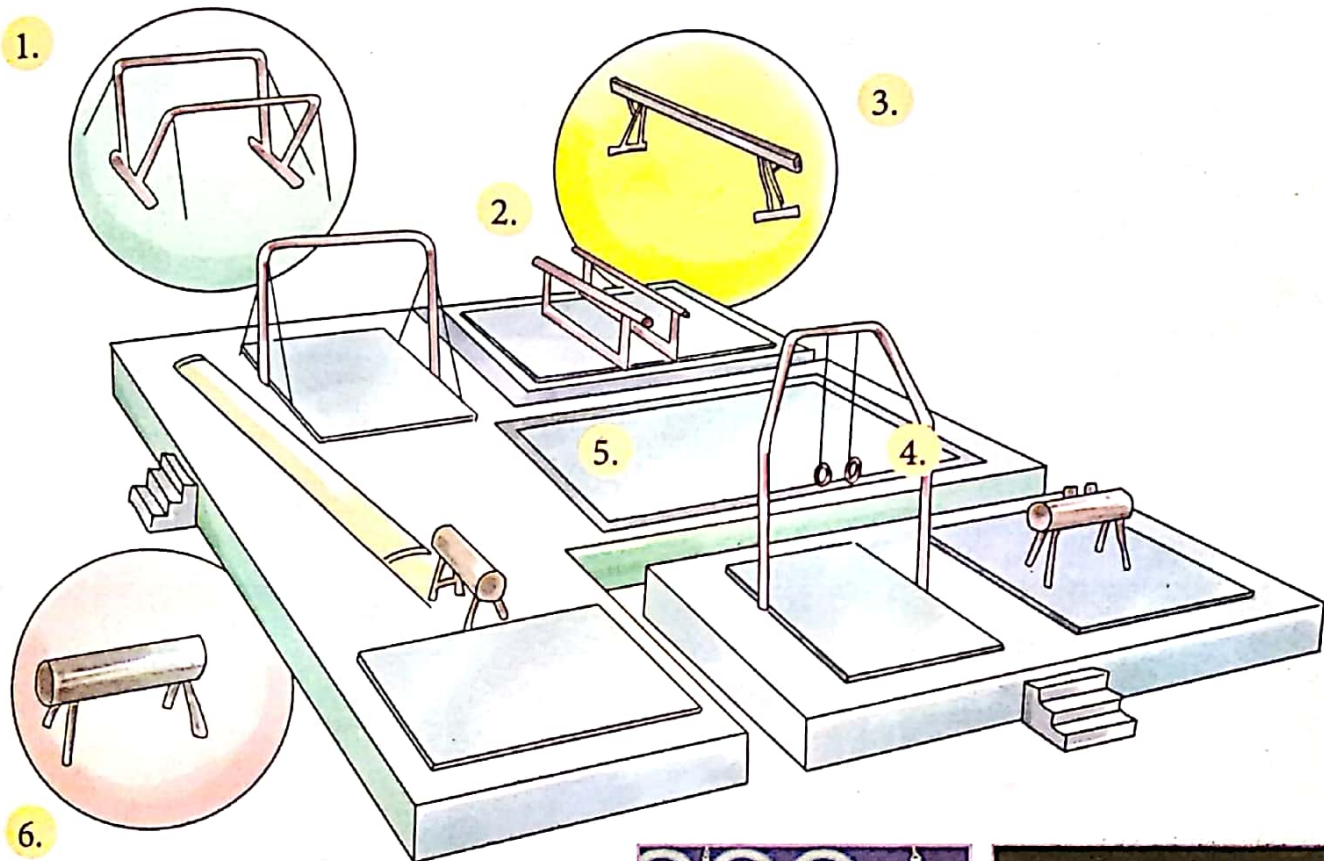
More Fun with Water

Join the fun. See the pictures carefully and name the various Water Sports.

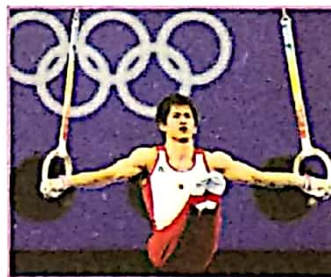
1. 2. 3. 4. 5. 6.

A Matter of Skill & Strength—Gymnastics

Thousands of years ago, the ancient Greeks were the first people to exhibit their strength and skill to make Gymnastics very popular. Various Acrobatic exercises form an important part of Gymnastics and are judged on a scale of Ten. Identify the Acrobatic apparatus and write the number in the box provided.

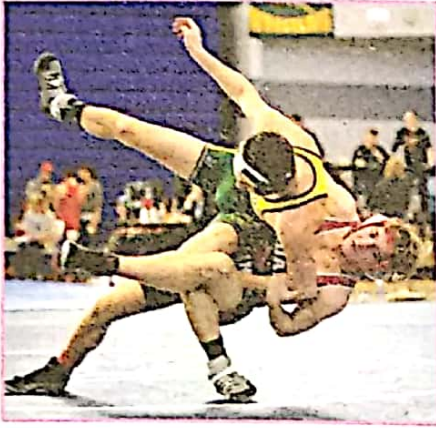


- a. Floor Area
- b. Beam
- c. Vaulting Horse
- d. Rings
- e. Uneven Bars
- f. Parallel Bars



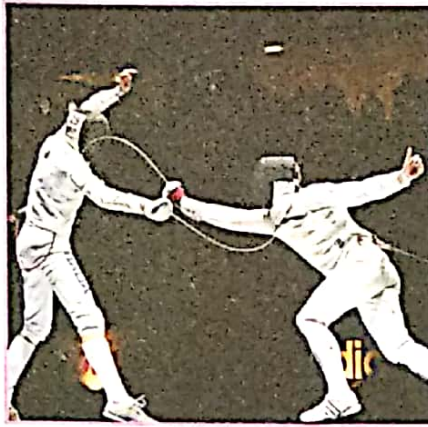
► The Art of Self Defence

Combat Sports have a strange attraction for both, the young and the old. Here are some popular combat sports which are great crowd pullers. Identify the following combat sports. Unjumble the words to get the answer.



1.

(NLRWESTIQ)



2.

(ENCINFGQ)



3.

(GOBXIN)



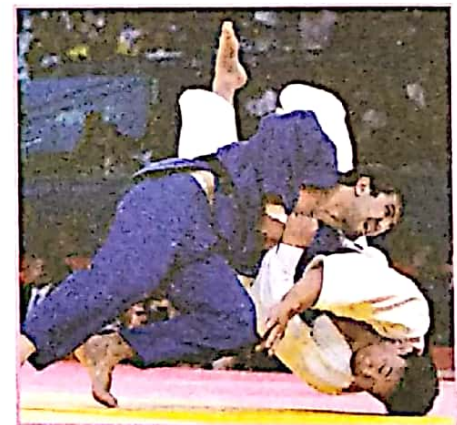
4.

(USMO)



5.

(NDOOTAKEW)



6.

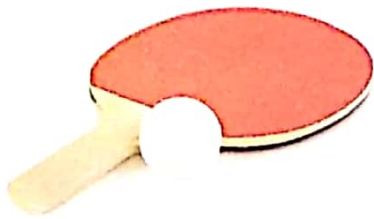
(OUJD)

? DO YOU KNOW?

- *Judo* is a Japanese word meaning 'gentle way'.
- Jigoro Kano was the founder of Judo.
- A practitioner of *Judo* is called **Judoka** and the uniform of Judo is known as **Judogi**.

What's Your Racket?

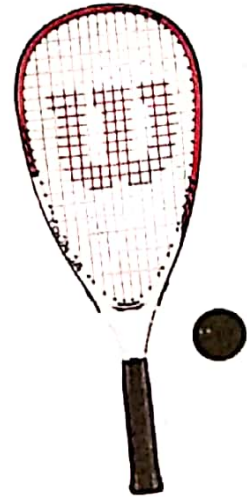
Racket Sports is the name for a number of indoor and outdoor games which are played with a racket. Identify the rackets and write the names of the games they are associated with, in the blanks provided.



1.



2.



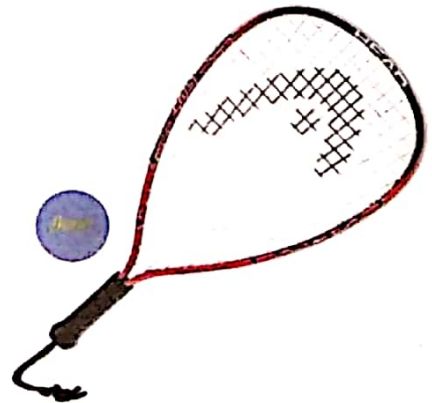
3.



4.



5.



6.

Help Box

Tennis

Table Tennis

Racquet ball

Lacrosse

Badminton

Squash

▶ Have a Ball!

There are many popular ball games played all over the world. Look carefully at the structure of the given balls and name the game each ball is associated with.

1. 2. 3. 4. 5. 6. 7. 8. 9. 

DO YOU KNOW?

'Bowling' refers to throwing of bowling ball towards a target. The aim is to knock down the pins at the end of the lane. Bowling alleys are popular and commonly seen at gaming zones and amusement centres.

► Howzzatt!!

SPORTS & GAMES

Cricket—a great sport has always been popular with one and all. Know more about this fascinating sport through the following exercises.

A. Figure it Out!

1. The number of players in each team.
2. The number of balls in one over.
3. The number of overs in one-day cricket match.
4. The number of bails each in two sets of wickets.
5. The number of Umpires appointed for the match.
6. The number of innings in one-day match.



B. Read the situations described and write the appropriate terms for each.

1. When both the teams score equally at the conclusion of the play.
2. When the bowler over steps the crease or balls above the batsman's waist.
3. When batsman hits down his own wicket and is out.
4. When batsman hits the ball and is held by the fieldsman before he touches the ground.
5. When a batsman scores 100 runs in a match.
6. While attempting to take a run, wicket is hit down by the fieldsman as the batsman is out of crease.

C. Write the full form of the following abbreviations.

BCCI _____

LBW _____

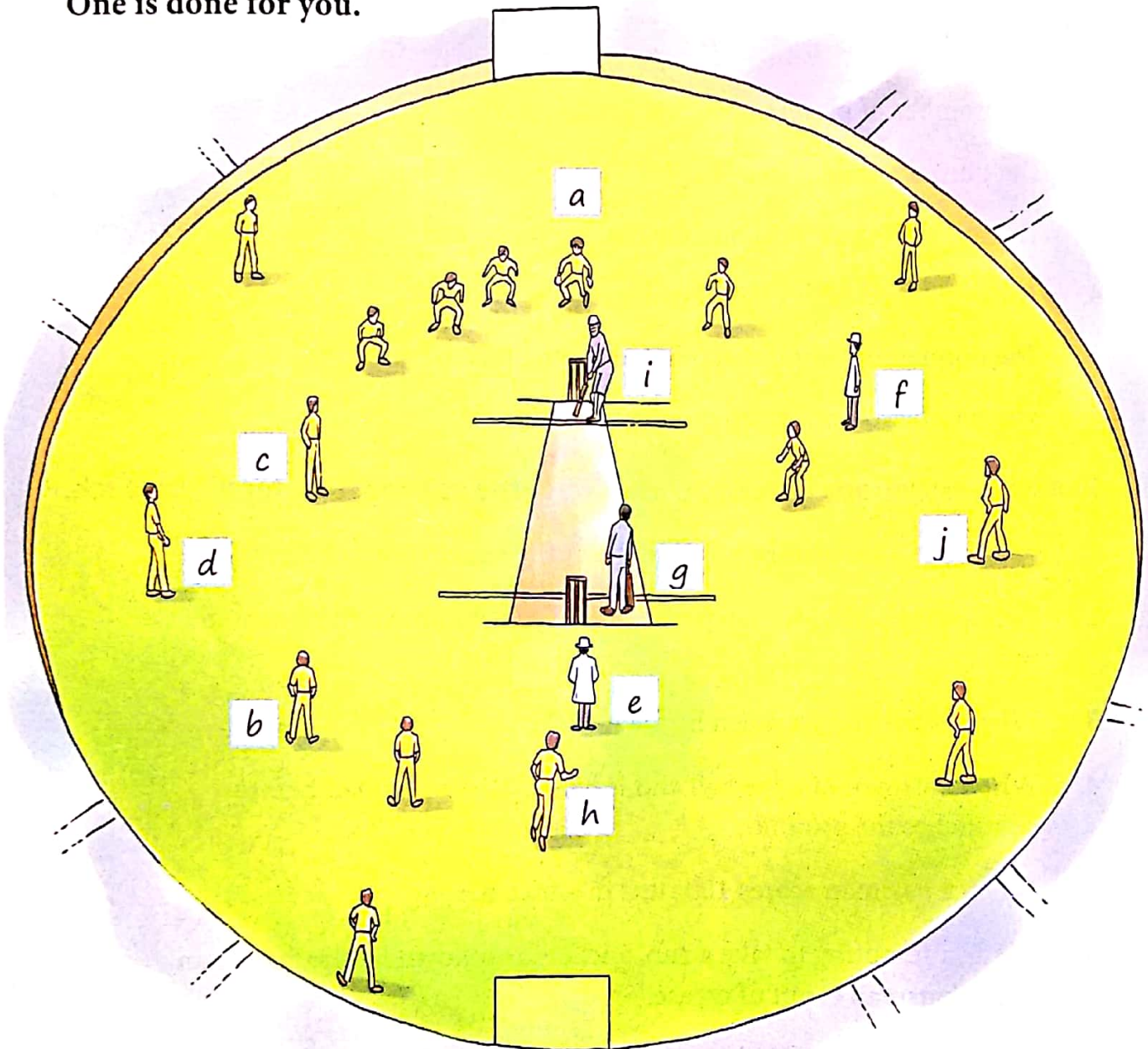
IPL _____

ICC _____



D. At the Pitch

Observe the different positions of the players for a cricket match in action. The names of ten positions are given below. These are marked in the diagram also using a letter. Write the correct letter in front of the position. One is done for you.



1. wicket keeper

a

2. cover

3. batsman

4. umpire

5. point

6. bowler

7. batsman

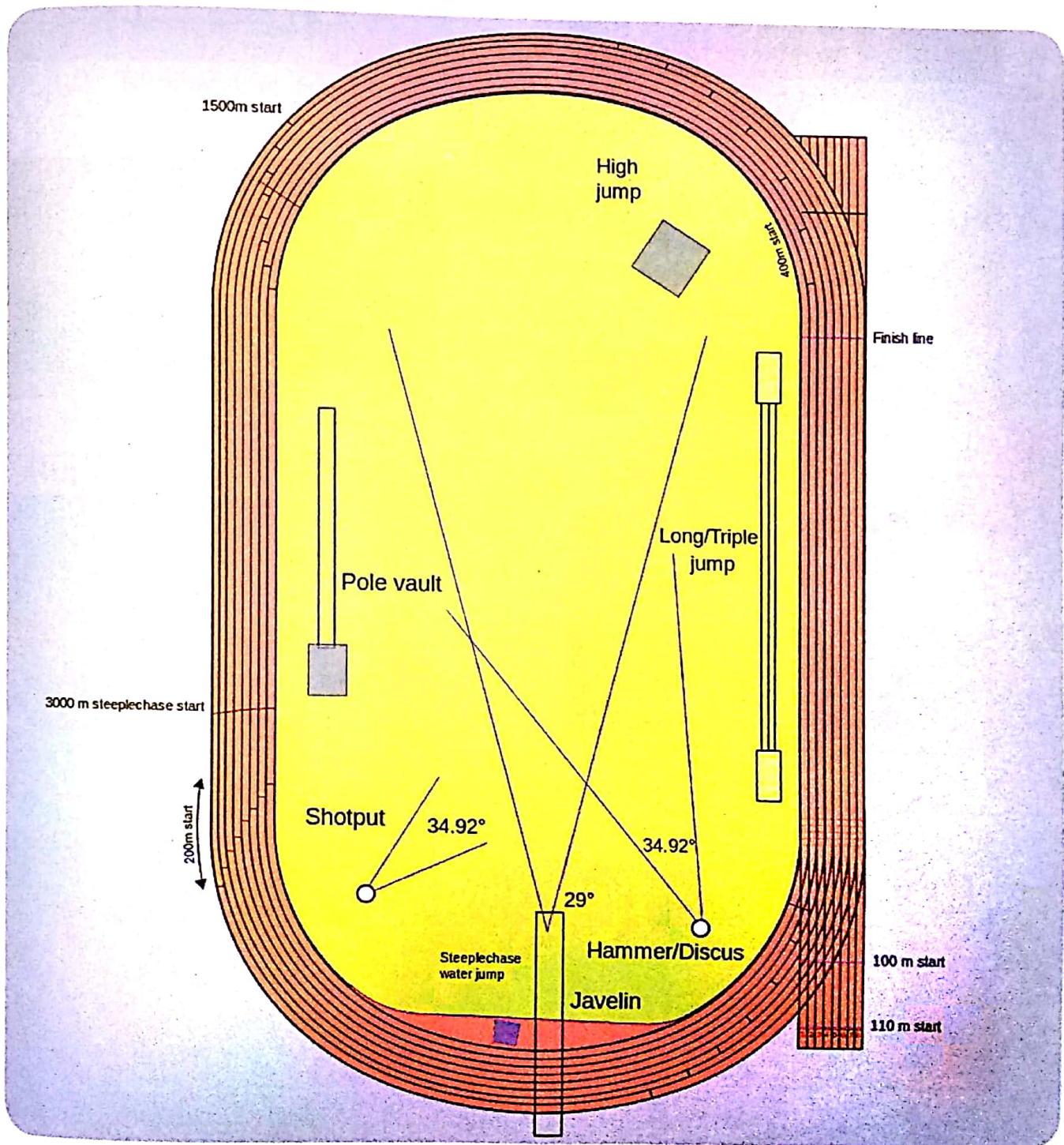
8. gully

9. umpire

10. mid-wicket

► Right on the Track!

- A. Track and Field events are the most interesting part of the world of sports. Racing, Jumping, Hurdles, Pole Vault, Discuss Throw, etc., form an exciting array of events taking place on the Athletic track or field. Run around the track to see the various positions.



B. Identify the Track and Field events and name them in the space provided.



1.



2.



3.



4.



5.



6.



7.



8.

The Magic of Soccer

The most popular game, Soccer, spell-binds all its spectators with its unmatched magic. The finals of world's greatest Soccer Championship is held every four years. Let us set the ball rolling....

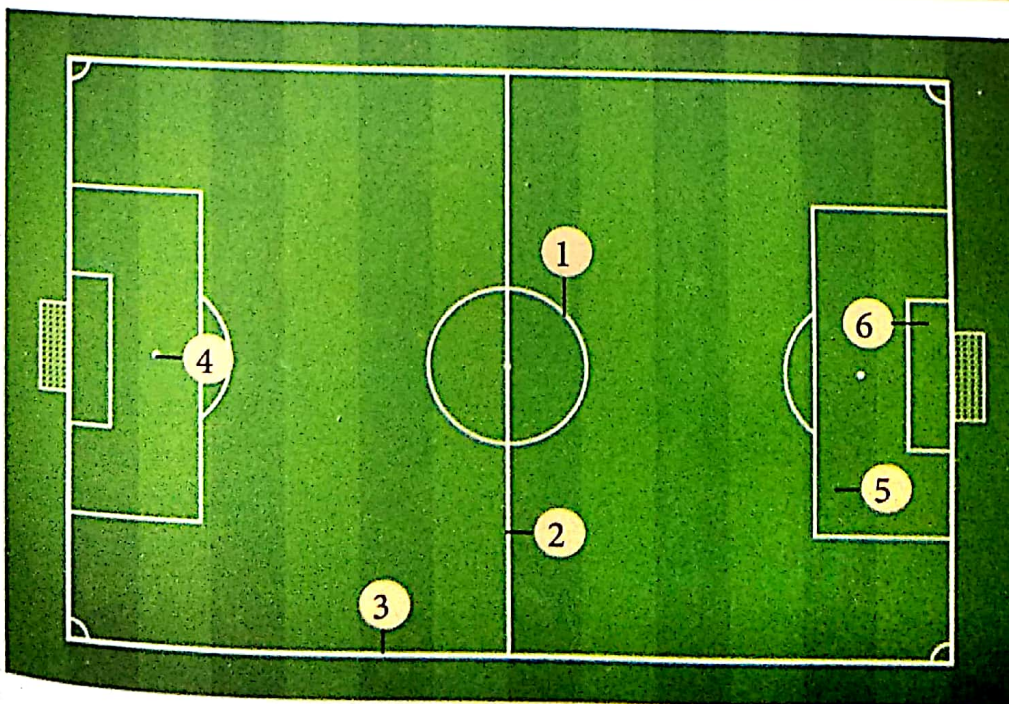
A. Fill in the blanks.

1. Number of teams that play a soccer match with each other. _____
2. Number of players in each team. _____
3. Number of goalkeepers in each team. _____
4. Colour of the two cards possessed by a Referee. _____ and _____
5. The card given to a player as a warning. _____
6. The card given to a player for a very serious offence. _____

B. Using the Help Box, name the numbered areas of the Soccer field. Write them in the space provided below.

Help Box

Penalty area	Touch line	Penalty spot
Goal area	Half-way line	Center circle



1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

Famous International Football Players

Identify these football players.



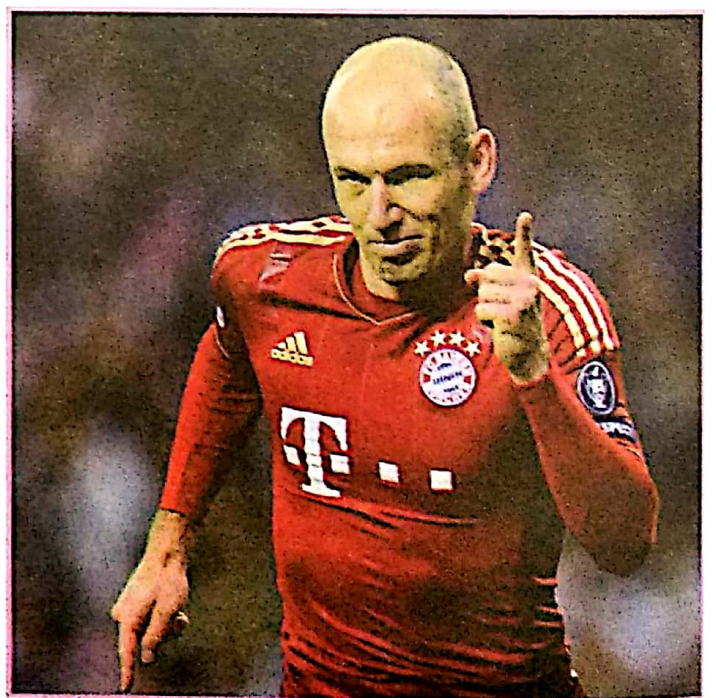
1. C _____ R _____



2. L _____ M _____



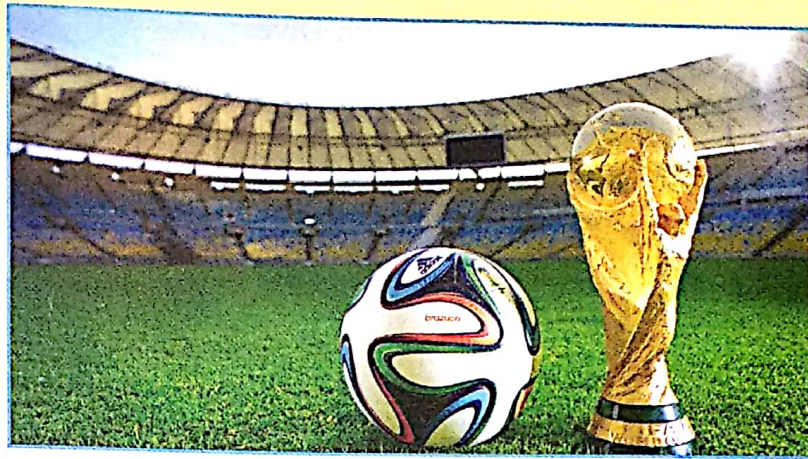
3. T _____ M _____



4. A _____ R _____

Fact File

FIFA World Cup



- ▶ Federation International de Football Association (FIFA) was founded in 1904 and is based in Zurich, Switzerland.
- ▶ FIFA aims to improve the game of football and promote it globally.
- ▶ The motto of FIFA is – 'For the game, for the world'.
- ▶ FIFA organises FIFA World Cup every four years. FIFA has 209 members with country codes.
- ▶ The first FIFA Championship was held in Uruguay in 1930.
- ▶ FIFA World Cup Trophy is awarded to the winner country. It is made of 18 carat gold and shows two human figures holding the earth.
- ▶ Brazil is the only country to have won FIFA World Cup five times while Italy and Germany have won it four times.
- ▶ FIFA Awards are as –
 - The Golden Ball Award for the Best Player.
 - The Golden Boot Award for the Top Scorer.
 - The Golden Glove Award for the Best Goalkeeper.

▶ Test Your Wisdom

1. Tick (✓) the correct option.

- a. The swimming movements are also known as—

☐ Hits

☐ High Dive

☐ Strokes

- b. Racing, Jumping, Pole Vault form a part of—

☐ Cricket

☐ Track Events

☐ Judo

- c. Acrobatic exercises are a part of—

☐ Cricket

☐ Gymnastics

☐ Polo

- d. Football is also known as—

☐ Throwball

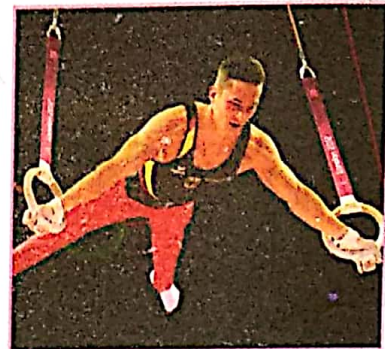
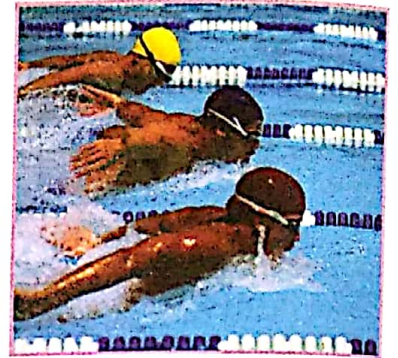
☐ Soccer

☐ Kickball

- e. A century in cricket refers to —

☐ 100 runs

☐ 99 runs

☐ 101 runs


2. Answer the following questions.

- a. Write the full form of FIFA.

- b. What is the motto of FIFA?

- c. Where and when was first FIFA World Cup Championship held?

- d. Which country has won FIFA World Cup five times?

- e. What award is given to the Top Scorer of FIFA?

3. Name any two—

a. Combat Sports

b. Swimming Strokes

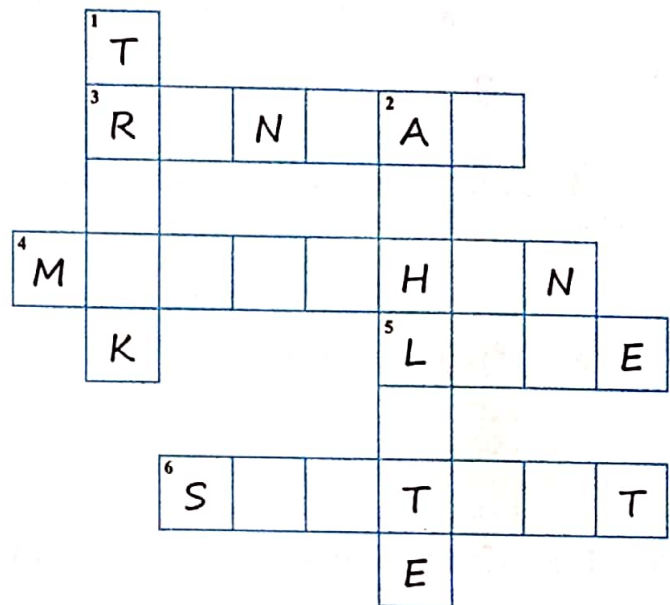
4. Solve the given crossword with clues provided.

Down 

1. An area for racing.
2. A sportsperson who runs around the field.

Across 

3. A place to speed along before jumping.
4. The longest race.
5. Each track has a start.
6. A throwing event.



5. Give one-word answers for the following.

- a. One who enforces rules of a game in a match.

U				E
---	--	--	--	---

- b. Playing cards were first invented in this country.

C				A
---	--	--	--	---

- c. The game called 'Battledore' in olden days is now known as—

B			M				N
---	--	--	---	--	--	--	---

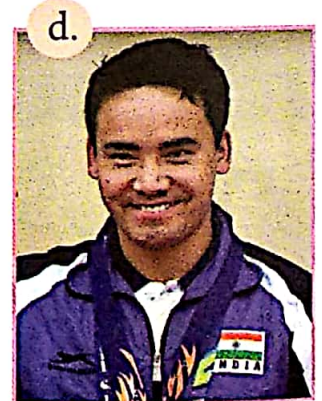
- d. The prestigious Lord's Cricket ground is in—

		N		N
--	--	-----	--	-----

- e. It is the unusual sport created for the Harry Potter books.

Q								H
---	--	--	--	--	--	--	--	---

6. Identify the Sports Personalities and name their sport.



Answers

Language & Literature

Feel at Home with Homographs (Page 1)

2. Tip 3. Bridge 4. Lie 5. Pole 6. Hide 7. Bill 8. Buck

Towards Colourful Language (Page 2)

1. To sense danger ahead 2. Depressed or Sorrowful
3. Pale and Nervous 4. Envious or Jealous 5. Cloudy or Humid day 6. Fit and Fine 7. In print or written down
8. Discontented

Anagrams are Fun (Page 3)

Down 2. Bleat 3. Flow 4. Leap 5. Tale 6. Mean

Across 7. Robe 8. Disease 9. Once 10. Pan

It's People, People All the Way..... (Page 4)

1. Orchestra 2. Team 3. Jury 4. Staff 5. Queue
6. Audience 7. Panel 8. Parliament 9. Crowd 10. Mob

Values are Invaluable (Page 5)

1. Team Spirit 2. Caring for Nature 3. Sharing
4. Humanity 5. Respect

What's the Good Word? (Page 6)

1. Introvert 2. Extrovert 3. Exhibitionist 4. Workaholic
5. Spendthrift 6. Idealist 7. Egoist 8. Sadist 9. Visionary
10. Patriot

Know Your Gs (Page 7)

1. Guile 2. Grumpy 3. Garish 4. Gallant 5. Glutton
6. Genuine 7. Gullible 8. Gregarious 9. Grateful 10. Grim

Body Language (Page 8)

2. To keep an eye on 3. Up to one's eyes 4. To have an ear for 5. To put heart and soul 6. After one's heart 7. To poke one's nose 8. To pull someone's leg 9. Tongue-tied
10. To have green fingers

Prefix and Suffix (Page 9)

A. 1. Il 2. Di 3. Un 4. Trans 5. Ex 6. Pre

B. 1. tion 2. al 3. ful 4. ness 5. en 6. less

Into the World of Comics (Page 10)

A. 1. c; 2. a; 3. b; 4. d; 5. e; 6. f

B. 1. Captain America 2. Iron Man 3. Incredible Hulk
4. Shaktiman 5. Batman 6. Nagraj

Test Your Wisdom (Page 12)

1. a. Ad-vice, option, verse, etc.
Re-fill, turn, appear, etc.
- b. eat, comfort, etc.-able;
strict, brisk, etc. - ly
Answers can vary.
2. a. in print/written down

b. to watch carefully

c. fit and fine

d. very attractive

e. something/someone very much loved

3. a. spend money b. great ideals c. company of others d. happy to be alone

4. a. True b. True c. False d. False e. True

5. a. surface as it is not related to part of a book

b. numismatist as it is not related to writing

c. philatelist as it is not related to education

d. essay as it is not related to poetry

6. a. tears b. neck c. eye d. laboratory

Environment Around

Nature's Blessing (Page 14)

1. Gerontology 2. Astronomy 3. Entomology

4. Hydrology 5. Biology 6. Anthropology 7. Cardiology

8. Geology 9. Meteorology 10. Zoology

Space Capsule (Page 15)

A. 1. Asteroids 2. Comet 3. Elliptic 4. Constellation

5. Light year 6. Photosphere 7. Sun spots

B. NASA - National Aeronautics and Space

Administration, ISRO - Indian Space Research

Organisation, SLV - Satellite Launching Vehicle,

ALI - Advanced Land Imager, EDR - Environment

Data Record

A Doctor's Dictionary (Page 17)

1. Anaesthetic 2. Analgesic 3. Neuralgia 4. Haemorrhage

5. Blood Pressure 6. Allergy 7. Antibiotic 8. Antiseptic

9. Antacid 10. Autopsy

Human Body (Page 18)

A. 1. Optic 2. Auditory 3. Olfactory 4. Taste Buds

5. Diaphragm 6. Enamel 7. Spleen 8. Femur

9. Cardiac 10. Platelets

B. 1. Dehydration 2. Cancer 3. Haemophilia 4. Eczema

5. Influenza 6. Cataract 7. Arthritis 8. Colds

9. Filariasis 10. Edema

Chemistry of Life (Page 20)

1. Nephthalene 2. Flourine 3. Acetic Acid 4. Acetone

5. Graphite 6. Carbon Black 7. Saccharine 8. Ammonia

9. Phosphorus 10. Sodium Bicarbonate

Mobile Mania (Page 22)

A. 1. Radio Waves 2. MMS 3. Bluetooth 4. Band width
5. Mail

B. 1. SIM-Subscriber Identity Module 2. PIN-Personal

Identity Number 3. SMS-Short Messaging Service

4. MMS-Multimedia Messaging Service 5. GPRS-

General Packet Radio Service

Gaseous World (Page 24)

1. Methane
2. Helium
3. Nitrogen
4. Oxygen
5. Carbon dioxide
6. Neon
7. Argon
8. Carbon monoxide
9. Ozone
10. Freon

Amazing Plants (Page 25)

1. Cedar
2. Pine
3. Tobacco
4. Bougainvillea
5. Oak
6. Mosses
7. Fennel
8. Jute
9. Soyabeans
10. Basil

Amazing Animals (Page 26)

1. Fish
2. Hoolock
3. Thermometer Bird
4. Reticulated Python
5. Duck
6. Paradoxical Frog
7. Narwhale
8. Dolphin
9. Bat
10. Flatfish

Smooth Working (Page 27)

- A. 1. Binoculars 2. Microscope 3. Escalator 4. Digger
5. Concrete mixer
- B. 1. e, 2. c, 3. d, 4. a, 5. b

Test Your Wisdom (Page 29)

1. a. Entomology b. Sun spots c. Diaphragm
d. Flourine e. Neon
2. a. True b. True c. False d. True e. True
3. a. Analgesic b. Ammonia c. Fennel d. Digger
e. Asteroids
4. a. iv; b. i; c. v; d. ii; e. iii
5. a. Tongue b. Ears c. Eyes d. Skin e. Nose
6. Gases – Propane, Acetylene, Butane
Plants – Arjuna, Asoka, Bael
Space – Zodiac, Nebula, Aurora
Branch of Science – Ecology, Oceanography,
Psychology

World Around**National Flags (Page 32)**

1. Japan
2. Thailand
3. Finland
4. Brazil
5. Australia
6. Canada
7. Egypt
8. Belgium
9. China

Continental Quiz (Page 33)

1. Asia
2. Europe
3. Africa
4. North America
5. South America

UNO (Page 34)

1. General Assembly
2. Security Council
3. Economic and Social Council
4. Trusteeship Council
5. International Court of Justice
6. Secretariat

Water Ways (Page 35)

1. France
2. Pakistan
3. USA
4. Egypt
5. Iraq
6. UK
7. Myanmar
8. Nepal
9. Hungary
10. China

Tribes of the World (Page 36)

1. Canada or Greenland
2. Central and South Africa
3. Tundra and Europe
4. Nepal
5. New Zealand
6. Congo Basin (Zaire)
7. Sri Lanka
8. Uruguay, Argentina
9. India
10. North America

Currencies (Page 37)

1. Rupee: Nepal, India, 2. Peso: Mexico, Cuba, 3. Franc:

France, Switzerland, 4. Dollar: USA, Australia, 5. Pound: UK, Ireland, 6. Dinar: Iraq, Kuwait

New 'n' Views (Page 38)

1. –Pakistan, 2. –United Kingdom, 3. –Russia, 4. –France, 5. –Nepal, 6. –Sri Lanka, 7. –Japan, 8. –China, 9. –Egypt, 10. –India

National Emblems (Page 39)

1. Kangaroo
2. Lily
3. Beach
4. Rose
5. Golden Rod
6. Kiwi
7. Eagle
8. Lion
9. Elephant
10. Crescent

Magnificent Masters of the World (Page 40)

1. France
2. Egypt
3. Greece
4. USA
5. Germany
6. China
7. UK
8. India
9. Bangladesh
10. South Africa

Meal-Time Quiz (Page 41)

1. Tea
2. Wheat
3. Coffee
4. Fish
5. Sugarcane
6. Rice
7. Groundnut
8. Cocoa
9. Apple
10. Potato

Test Your Wisdom (Page 43)

1. a. New Zealand b. USA c. Hungary d. Tribes e. India
2. a. Eskimos (not a river) b. Marco Polo (not a ruler)
c. Chile (not an African country) d. Pravda (not a currency) e. Brazil (not a city)
3. a. Countries b. Newspapers c. Crops d. Currencies
e. Tribes
4. a. False b. True c. False d. False e. True
5. a. Euro b. RBI c. Dong d. Nasik e. Pound
6. a. China b. 129°C, Yostok station c. 13000 mm
d. 497 million e. Chinese

Art & Culture**Myth Magic (Page 45)**

1. b, 2. c, 3. f, 4. e, 5. d, 6. a

Music Mania (Page 46)

1. Bhajan
2. Jazz
3. Folk
4. Pop
5. Gazal
6. Opera

Bonding with God (Page 47)

Hinduism – Fiji, Nepal, Indonesia, India; Buddhism – Japan, Sri Lanka, Thailand, Myanmar; Islam – Iran, Afghanistan, Kuwait, Iraq; Christianity – Italy, USA, New Zealand, France

Sound of Music (Page 48)

1. Dholak – Punjab
2. Dafli – Himachal Pradesh,
3. Tabla – Uttar Pradesh,
4. Ektara – West Bengal,
5. Santoor – Kashmir,
6. Mridangam – Karnataka,
7. Sarangi – Rajasthan,
8. Thavil – Tamil Nadu

Tongues (Page 49)

1. Swahili
2. Maori
3. Malay
4. Spanish
5. Hebrew
6. Khmer
7. Arabic
8. Persian
9. Sinhalese
10. German

Bon Appetit! (Page 50)

1. USA
2. Italy
3. Japan
4. Mexico
5. Turkey
6. UAE
7. Indonesia
8. Switzerland
9. China
10. India

From Om to Amen (Page 51)

1. Buddhist's place of worship
2. Islam
3. benches for people to sit while praying
5. Shintoism
6. Judaism
7. Hinduism
8. Parsis
9. Israel
10. Jainism

The World of Art (Page 52)

1. Leonardo da Vinci
2. Pablo Picasso
3. Jamini Roy
4. Michelangelo
5. Vincent Van Gogh
6. Amrita Shergil

Famous People of Indian Origin (Page 53)

1. Kalpen Suresh Modi
2. Venkatraman Ramakrishnan
3. Nikki Haley
4. Ajay Bhatt
5. Vinod Dham
6. Siddhartha Mukherjee
7. Mahendra Choudhary
8. Dosanjh

Puppet Show (Page 54)

1. h, 2. a, 3. f, 4. c, 5. b, 6. g, 7. d, 8. e, 9. j, 10. i

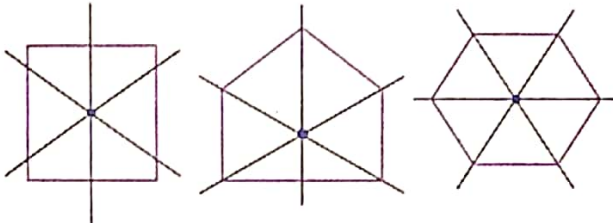
Test Your Wisdom (Page 56)

1. a. Alka Yagnik (not an artist), b. Bahai (not a tongue), c. Islam (not a dish) d. Picasso (not a religion) e. Hercules (not a puppet)
2. a. India b. Cambodia c. Sushi d. Judaism e. Islam
3. a. Zoroastrianism b. Sri Lanka c. Arabian Nights d. 1992 e. Atman
4. a. iii, b. iv, c. v, d. ii, e. i
5. a. False b. False c. False d. True e. True
6. a. Authors b. Religious leaders c. Artists d. Presidents

Math Magic

In Sync with Symmetry (Page 58)

A.



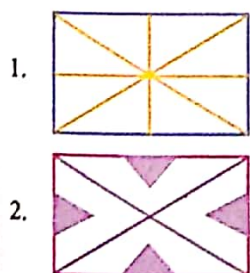
Let Us Count (Page 59)

1. 2 2. 4 3. 7 4. 8 5. 13-19 years 6. 5 7. 100 runs 8. 80-89 years 9. 25 10. 100

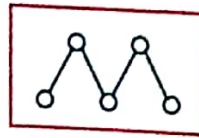
Figure It Out! (Page 61)

1. C 2. E 3. B 4. A 5. B

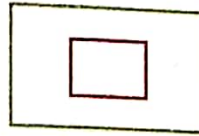
Figure It Out Tool (Page 63)



3.



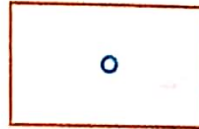
4.



5.



6.



Into the World of Numbers.... (Page 64)

1. a. 1, 2 LCM 24 HCF 2
b. 1, 3 LCM 120 HCF 3
c. 1, 2, 4, 8, 16 LCM 96 HCF 16
2. a. 1
b. 3 & 5, 5 & 7, 11 & 13, etc.
c. 2
d. 2 & 3
3. 2, 2, 3, 3
4. 11, 2 (any order)
5. a. 3 b. 5 c. 7

Fun with Numbers (Page 65)

1. 4368
2. $8 \times 8 \times 8 - 8 = 512 - 8 = 504$
3. 7:45
4. $4 + 8 + 13$
5. -10, -11, -12
6. My no. is 7 (a. = $14 + 4 = 18$; b. = $11 + 7 = 18$)
7. WIZ and KID
8. K

Scratch Your Head (Page 67)

1. Daughter 2. Uncle 3. Grandma 4. Daughter
5. Daughter-in-law 6. Nephew




Brain Boosters (Page 68)

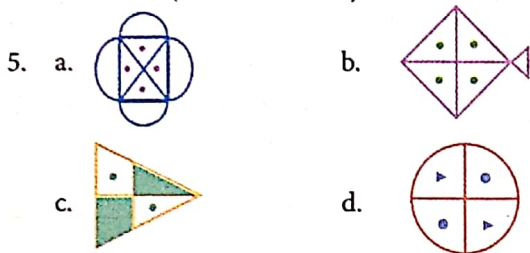
1. 91 only composite number 2. 36 all are multiples of 7 except 36 3. 8 all others are perfect squares 4. 71 only Prime number
1. 5 and 120 2. 1, difference between letters A and E is 3, N and Q is 2. So, R and T is 1 3. 52, all numbers have difference of multiples of 5 between them 4. 1, difference between X and Z is 1.

Walk on a Circular Path... (Page 69)

Across- 1. Circle 2. Diameter 3. Centre 4. Chord
Down- 5. Circumference 6. Arc 7. Radius 8. Area

Test Your Wisdom (Page 71)

- a. 252 minutes b. 100 c. 93 d. 8 e. 17, 34, 51, 68, 85 f. 6
- 550 = DL 109 = CIX 1010 = MX
- a.  b. * c.  d. 
- 40 and 22 (difference of 15)



6. B and C

Sports & Games**Riding a High Horse (Page 73)**

- Helmet 2. Jockey 3. Saddle 4. Whip 5. Bridle 6. Reins
- Jumping Course 8. Stirrups

Fun with Water (Page 74)

1. Crawl 2. Butterfly stroke 3. Back stroke 4. Breast stroke
- a3; b5; c2; d6; e1; f4

More Fun with Water (Page 76)

- Boat Racing 2. Rowing 3. Water Surfing 4. Water Polo
- River Rafting 6. Scuba Diving

A Matter of Skill & Strength—Gymnastics (Page 77)

- a. 5; b. 3; c. 6; d. 4; e. 1; f. 2

The Art of Self Defence (Page 78)

- Wrestling 2. Fencing 3. Boxing 4. Sumo (wrestling)
- Taekwondo 6. Judo

What's Your Racket? (Page 79)

- Table Tennis 2. Tennis 3. Squash 4. Badminton
- Lacrosse 6. Racquet ball

Have a Ball! (Page 80)

- Basketball 2. Volleyball 3. Handball 4. Cricket
- Soccer or Football 6. Rugby 7. Golf 8. Hockey ball
- Tennis

Howzzatt!! (Page 81)

1. 11 2. 6 3. 50 4. 2 5. 2 6. 1
1. Tie 2. No Ball 3. Hit Wicket 4. Caught 5. Century 6. Run Out
- BCCI – Board of Cricket Control in India; LBW – Leg Before Wicket; IPL – Indian Premier League; ICC – International Cricket Council
2. b; 3. i; 4. f; 5. d; 6. h; 7. g; 8. c; 9. e; 10. j

Right on the Track! (Page 83)

1. Marathon 2. Hurdle Jumping 3. Javelin Throw 4. Shot Put 5. Discuss Throw 6. Pole Vault 7. Hammer Throw 8. Long Jump

The Magic of Soccer (Page 85)

1. 2; 2. 11; 3. 1; 4. Yellow, Red; 5. Yellow 6. Red
1. Center Circle 2. Half-way line 3. Touch-line 4. Penalty Spot 5. Penalty area 6. Goal area

Famous International Football Players (Page 86)

- Cristiano Ronaldo 2. Lionel Messi 3. Thomas Muller
- Arjen Robben

Test Your Wisdom (Page 88)

- a. strokes b. Track events c. Gymnastics d. Soccer e. 100 runs
- a. Federation International de Football Association b. For the game, for the world c. Uruguay, 1930 d. Brazil e. The Golden Boot Award
- a. Wrestling, Fencing, Boxing, etc. b. Butterfly/Back/Breast stroke, etc.
- Down- 1. Track 2. Athlete Across- 3. Runway 4. Marathon 5. Line 6. Shotput
- a. Umpire b. China c. Badminton d. London e. Quidditch
- a. Mary Kom (Boxing) b. Tiger Woods (Golf) c. PV Sindhu (Badminton) d. Jitu Rai (Shooter)