

ALGEBRA (VI)

1. If there are 50 mangoes in a box, how will you write the total number of mangoes in terms of the number of boxes?
2. Leela is Radha's younger sister. Leela is 4 years younger than Radha. Can you write Leela's age in terms of Radha's age? Take Radha's age to be x years.
3. Mother has made laddus. She gives some laddus to guests and family members, still 5 laddus remain. If the number of laddus mother gave away is l , how many laddus did she make?
4. The side of a regular hexagon is denoted by l . Express the perimeter of the hexagon using l .
5. Give an expression for the following cases:
(a) 7 added to p (b) 7 subtracted from p (c) 7 subtracted from $-m$
(d) $-p$ divided by 5 (e) p multiplied by -5
6. Give an expression in the following cases
(a) y is multiplied by -8 and then 5 is added to the result.
(b) y is multiplied by -5 and the result is subtracted from 16.
7. A rectangular box has height h cm. Its length is 5 times the height and breadth is 10 cm less than the length. Express the length and breadth of the box in terms of the height.
8. Pick out the solution from the given value:
(a) $5m = 60$ (10, 5, 12, 15) (b) $n + 12 = 20$ (12, 8, 20, 0)
(c) $p - 5 = 5$ (0, 10, 5, -5) (d) $x + 4 = 2$ (-2, 0, 2, 4)
9. Change the following statements using expressions
(a) A notebook costs Rs. p . A book costs Rs. $3p$.
(b) Tony puts some marbles on the table. He has $8q$ marbles in his box.
(c) Our class has n students. The school has $20n$ students.
(d) Jaggu is 2 years old. His uncle is $4z$ years old and his aunt is $(4z - 3)$ years old.