



QUESTION BANK: GRADE: 8

SUBJECT: MATHEMATICS

CHAPTER 3: LINEAR EQUATIONS

A. Choose the correct answer

- Solve: $5t - 3 = 3t - 5$
(a) 1 (b) -1 (c) 2 (d) none of these
- Solve: $8x = 20 + 3x$
(a) 4 (b) -4 (c) 2 (d) none of these
- Which of the following is not a linear equation
(a) $2x + 5 = 1$ (b) $x - 1 = 0$ (c) $y + 1 = 0$ (d) $5x + 3$

B. Following 3 questions carry 2 marks each.

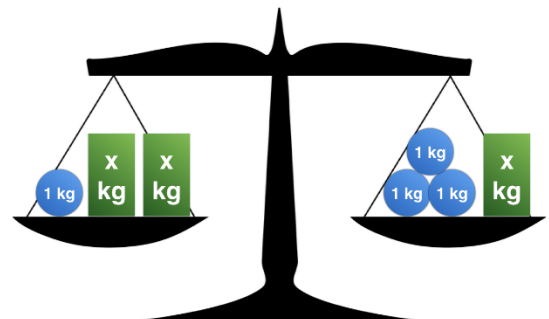
- Sum of two numbers is 95. If one exceeds the other by 15, find the numbers.
- Ratio of three angles of a triangle is 1 : 2 : 3. Find the angles.
- Four-fifths of a number is 10 more than two-thirds of the number. Find the number

C. Following 2 questions carry 3 marks each.

- If father is twice as old as his son and also 29 years older than his son. What is the age of father?
- The perimeter of a rectangular swimming pool is 154 m. Its length is 2m more than twice its breadth. What are the length and breadth of the pool?

FIND x

These scales are perfectly balanced. What is the value of x?



ANSWER KEY:

- A. 1. b 2. a 3. d
B. 1. 40,55
2. $30^\circ, 60^\circ, 90^\circ$
3. 75
C. 1. 58
2. Length = 52m
Breadth = 25m