CBSE Class 8 Maths Worksheet
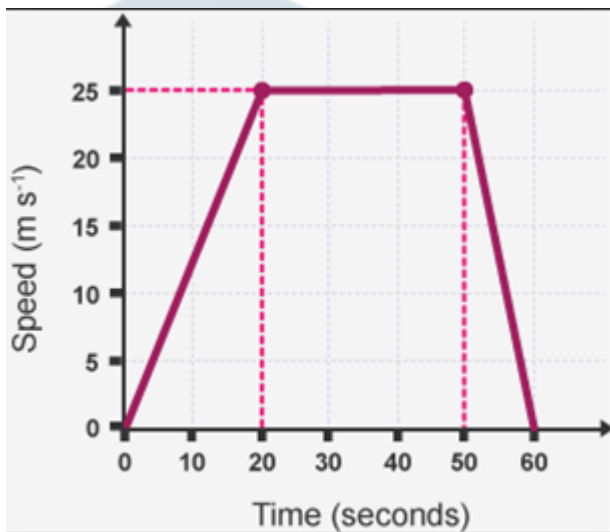
1. State True/False: q=-12 is the solution of the linear Equation 5q-3q(2q+1)=21+q

   A) true

   B) false

2. Simplify: $(a2 - b2)2$

3.

   Show that: $(a - b) (a + b) + (b - c) (b + c) + (c - a) (c + a) = 0$

4.

   Find the squares by using the identities: $(2hy + 5y)^2$

5.

   From the following graph determine the total distance travelled.

   A) 1500 m

   B) 1125 m

   C) 2455 m

   D) 1200 m

6. Convert the ratio 2:3 to percentage

7. Express 7.8 x 10^12 in the usual form

8. Identify all the quadrilaterals that have four rights angles.

9. Evaluate 2^(-3).

10.
Find the product of monomial. $(-9h^2y^2), (-9h^2y^2)$

11.
State True/False: The value of 7^{-2} is 49

A) True
B) False

12. What is the difference between three digit largest and smallest number which is divisible by 3?

13. Find the value of A the multiplication 3A X A = 17A

A) 1
B) 7
C) 6
D) 5

14. State True/False: When two quantities are related in such a manner that, if one increases & other decreases, then they always vary inversely.

A) true
B) false

15.
Find the volume of each rectangular boh with given length, breadth and height. Length, breadth and height are a, 2b and 3c respectively.

16. 2^-4 can be written as _____

17. A cuboid is of dimensions 50 cm × 45 cm × 30 cm. How many small cubes with side 5 cm can be placed in the given cuboid?

18. Find the ratio of 15 kg to 210 g

19. Find the product: a , b + c + d

20. State True/False: The cube of a single digit number may be a single digit number.

    A) true

    B) false

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Answers

1. Option A

2. $a^4 - 2a^2b^2 + b^4$

3.
   To be proved

4.
   $4h^2 y^2 + 20hy^2 + 25y^2$

5. Option B

6. (200/3)%

7. 7800000000000

8. Square & rectangle

9. $8^{(-1)}$

10. $81h^4y^4$

11. Option B

12. 897

13. Option D

14. Option A

15.
    6abc

16. $1/2^4$

17. 540

18. 500 to 7

19. ab+ac+ad

20. Option A