V6M

Virudhunagar District Common Examinations

Third Mid Term Test - February 2023

Standard 6
MATHS

Time: 1.30 Hrs.

Marks: 30

5×1=5

I. Choose the best answer:

1) The reciprocal of $53/17$ is

   a) $53/17$ b) $5\,3/17$ c) $17/33$ d) $35/17$

2) Which of the following statement is incorrect?

   a) $1/2 > 1/3$ b) $7/8 > 6/7$ c) $8/9 < 9/10$ d) $10/11 < 9/10$

3) The opposite of 20 units to the left of 0 is

   a) 20   b) 0   c) −20   d) 40

4) 3 units to the left of 1 is

   a) −4   b) −3   c) −2   d) 3

5) The side of a square is 10 cm. If its side is tripled, then by how many times will its perimeter increase?

   a) 2 times   b) 4 times   c) 6 times   d) 3 times

II. Fill in the blanks:

5×1=5

6) $7\,3/4 + 6\,1/2 =$ _____

7) The number which has its own reciprocal is _____

8) _____ is an integer which is neither positive nor negative.

9) There are _____ positive integers from −5 to 6.

10) 8 km² = _____ m².

III. Answer any three questions:

3×2=6
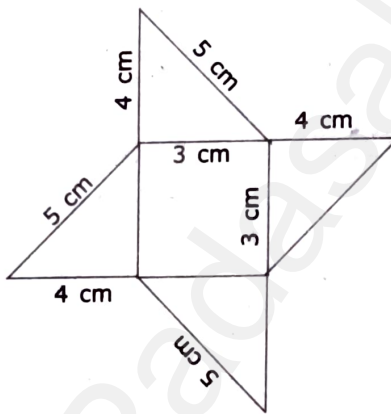
11) Multiply: $3\,5/7 \times 1\,1/13$

12) Arrange the following integers in ascending order:

   −15, 0, −7, 12, 3, −5, 1, −20, 25, 18

13) If the length of a rectangle is 12 cm and the breadth is 10 cm, then find its perimeter

14) Divide: $\dfrac{4}{3} \div \dfrac{5}{9}$

IV. Answer any 3 of the following: **3×3=9**

15) Gowri purchased $3\frac{1}{2}$ kg of tomatoes, $\frac{3}{4}$ kg of brinjal and $1\frac{1}{4}$ kg of onion. What is the total weight of the vegetables she bought?

16) Represent the following situations as integers:

   i)   A gain of Rs. 1000

   ii) 20°C below 0°C

   iii) 10 kg below normal weight

17) Find the perimeter and the area of a right angled triangle whose sides are 6 feet, 8 feet and 10 feet.

18) Arrange the following integers in descending order:

   i)   −99, −120, 65, −46, 78, 400, −600

   ii) 111, −222, 333, −444, 555, −666, 7777, −888

V. Answer any one of the following: **1×5=5**

19) i) Find the perimeter and area of the following shapes.

(OR)

   ii) A square of side 2 cm is joined with a rectangle of length 15 cm and breadth 10 cm. Find the perimeter of the combined shape.