Class – V
Subject – Mathematics
Model Test Paper

Time- 1 Hr. 30 min.

Name_____ Sec_____Roll no_____ Date_____

Section – I

I **Do as directed.**

A. Fill in the blanks.

(1) Mathematical term for the symbol "{ }" is _____.

(2) Compare using $>, <$ or $=$ 0.1 $\boxed{}$ 100%.

(3) Formula to calculate profit percent $= \dfrac{\text{.................}}{Cost\ price} \times 100$

(4) Principal $= \dfrac{\text{.................} \times 100}{Rate \times \text{..............}}$

(5) $\dfrac{3}{4} = \dfrac{6}{\text{.........}}$

(6) When two lines cross or meet each other, they are called _____lines.

B. Say whether the given statements are "True" or "False".

(1) A whole angle measures 360^0.   _____

(2) The diameter is twice the length of the radius.   _____

(3) All four sides of a rectangle are equal in length.   _____

(4) A ratio compares like quantities.   _____

C. Match the following.

(1) Vinculum   Obtuse angle   (   )

(2) 125^0 Area of rectangle   (   )

(3) Honeycomb   Bar   (   )

(4) Length $\times$ Breadth   Hexagon   (   )

D. Tick (✔) the correct option.

(1) The simplest form of $\frac{12}{15}$ is _____.

    (a) $\frac{3}{4}$ (b) $\frac{4}{5}$ (c) $\frac{6}{7}$ (d) $\frac{3}{5}$

(2) If S.P. > C.P., then there is _____.

    (a) Profit   (b) Loss   (c) No Profit   (d) No loss

(3) When zero is divided by any number the answer is _____.

    (a) zero   (b) infinity   (c) 1   (d) none of these

(4) Per cent means per _____.

    (a) hundred   (b) thousand   (c) ten thousand   (d) lakh
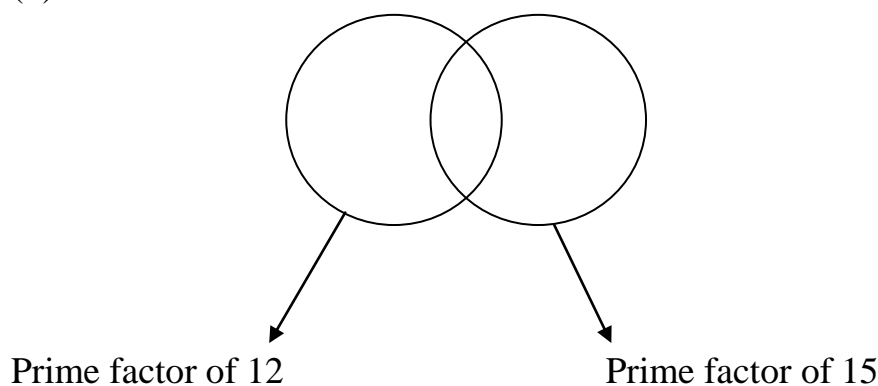
Section – II

II. Solve Mentally :

(1) Write the next numeral.

XXXVIII, XXXIX, _____

(2) Find the missing numbers.

☐	5	6	8	2	☐
2	☐	8	4	☐	9

———————————————————

| 7 | 2 | ☐ | ☐ | 5 | 6 |

(3) If Prime factors of $12 = 2 \times 2 \times 3$. Prime factors of $15 = 3 \times 5$

Prime factor of 12   Prime factor of 15

III. **Find the solution.**

    (1)   Write the ratio in its simplest form:- 36 : 40

_____

_____

_____

_____

    (2)   Check whether these ratios are in proportion:- 24 : 4 and 12 : 2

_____

_____

_____

_____

    (3)   Find the complementary angle of 81^0.

_____

_____

_____

_____

    (4)   Find the supplementary angle of 170^0.

_____

_____

_____

_____

    (5)   Give the radius of the circle with the diameter = 14 m.

_____

_____

_____

_____

(6)   Give the diameter of the circle with the radius = 11 cm.

_____

_____

_____

_____

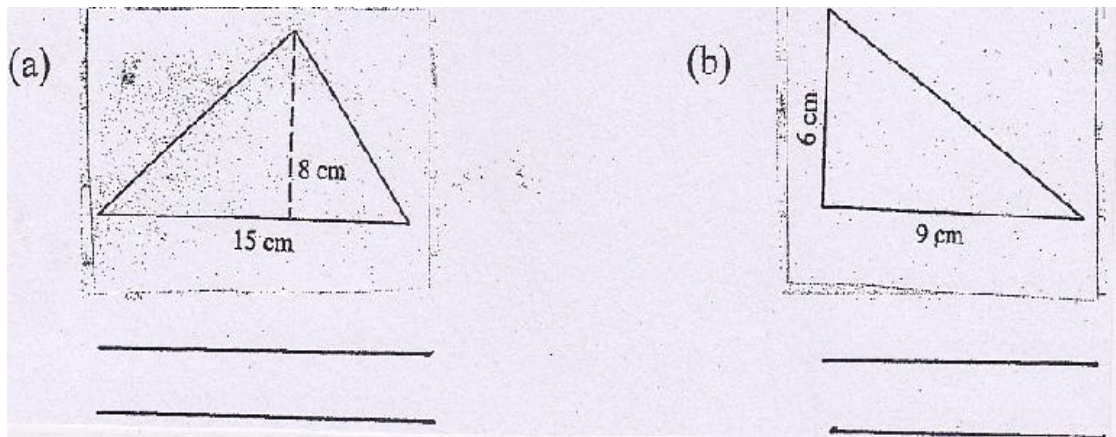(7)   Find volume, if length = 7 cm, breadth = 2 cm and height = 9cm.

_____

_____

_____

_____

Section – IV

IV   Pictorial Questions.

(1)   Find the area of these triangles using the formula:

(a)

8 cm

15 cm

(b)

6 cm

9 cm

_____   _____

_____   _____

(2)   What is the measure of the shaded portion?

(a)

30°

(b)

105°

_____   _____

_____   _____
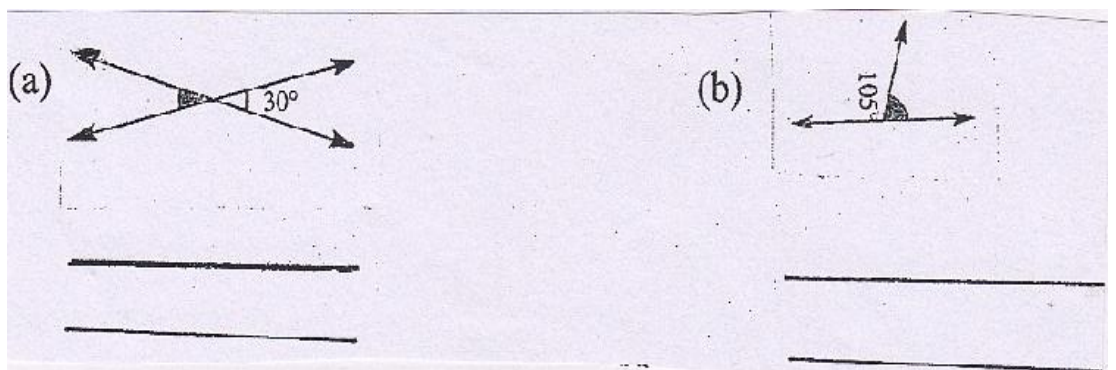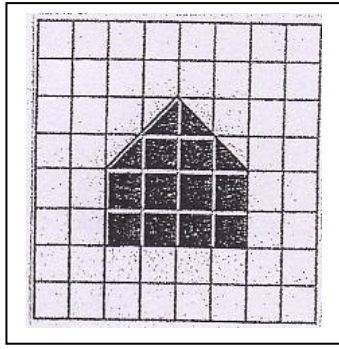
(3)   (i)   Find the area.   (ii)   Find the volume.

_____   _____

_____   _____

_____   _____

_____   _____

_____   _____
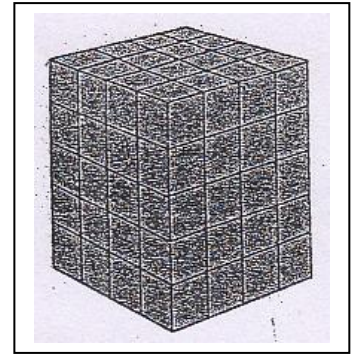
Section – V

V   **Word Problems.**

(1)   If I gave away 12 stamps, which is $\frac{1}{4}th$ of my collection, how many stamps left in my collection?

<div align="center">OR</div>

The perimeter of a square is 16 cm. What is its side?

_____

_____

_____

_____

_____

(2)   (i)   Out of 50 sheep on a farm, 36 are white and the rest are black. What is the ratio of white sheep to black sheep?

<div align="center">OR</div>

If the length and the breadth of a rectangle is 12 cm and 6 cm. Find the perimeter of rectangle.

_____

_____

_____

_____

(ii)   An amount of money is shared in the ratio of 4:5. If the smaller share is ₹ 48. What is the larger share?

<div align="center">OR</div>

In the word "PERCENTAGE" what percentage of the letters are vowels?

_____

_____

_____

_____

_____

Section – VI

VI   **Twisted Questions.**

Find the difference of largest 9-digit number and smallest 6-digit number.

_____

_____

_____

_____