



# Delhi Public School, Gwalior

(Under the Aegis of DPS Society, New Delhi)

Class – V

Subject – Mathematics

Model Test Paper

Time- 2 Hr. 30 min.

Name \_\_\_\_\_ Sec. \_\_\_\_\_ Roll no \_\_\_\_\_ Date \_\_\_\_\_

## Instructions :

- \* Carefully read and answer all the questions.
- \* Answer them one by one, in the order given in your answer sheet.
- \* Do not spend too much time on any question and do your best.

## Section – I

### I. Do as directed.

#### A. Fill in the blanks.

- (1) The longest chord of the circle is called \_\_\_\_\_.
- (2) Compare using ( $>$ ,  $<$  or  $=$ ).  $0.1$    $100\%$ .
- (3) Write the coefficient of  $a$  in  $10a$  \_\_\_\_\_.
- (4) The normal human body temperature is \_\_\_\_\_ $^{\circ}\text{C}$ .

#### B. Say whether the given statements are “True” or “False”.

- (1) A whole angle measures  $360^{\circ}$ . \_\_\_\_\_
- (2) The diameter is twice the length of the radius. \_\_\_\_\_
- (3) All four sides of a rectangle are equal in length. \_\_\_\_\_
- (4) Freezing point of water is  $32^{\circ}\text{F}$ . \_\_\_\_\_

#### C. Match the following.

- |                             |                       |     |
|-----------------------------|-----------------------|-----|
| (1) Celsius Scale           | Obtuse angle          | ( ) |
| (2) $125^{\circ}$           | Area of rectangle     | ( ) |
| (3) Volume of a cuboid      | $^{\circ}\text{C}$    | ( ) |
| (4) Length $\times$ Breadth | $l \times b \times h$ | ( ) |

D. Tick (✓) the correct option.

- (1)  $\frac{2}{3}$  of a dozen apple is \_\_\_\_\_.
- (a) 4                      (b) 8                      (c) 9                      (d) 10
- (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)  $80 + 2 + \frac{1}{10} + \frac{3}{1000} =$  \_\_\_\_\_
- (a) 82.103                      (b) 80.013                      (c) 82.310                      (d) none of these
- (5) When two lines cross each other they are called \_\_\_\_\_ lines.
- (a) Parallel                      (b) Intersecting                      (c) both [a] & [b]                      (d) none of these
- (6) Perimeter of a square = \_\_\_\_\_.
- (a) Side  $\times$  Side                      (b)  $4 \times$  side                      (c)  $2(l + b)$                       (d) none of these

## Section – II

**II. Solve Mentally :**

- (1) Arrange the following numbers in descending order.

CXXX      XLIX      CDXX      LXXII

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- (2) Find the missing numbers.

	□	5	6	8	2	□
(-)	2	□	8	4	□	9

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7	2	□	□	5	6
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- (3) Find the HCF of 32 and 60 by the prime factorization method.

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**Section – III**

**III. Find the solution.**

- (1) Find the LCM of 21, 14 and 42 using short division method.

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- (2) Solve.

$$\frac{4}{5} - \frac{2}{7}$$

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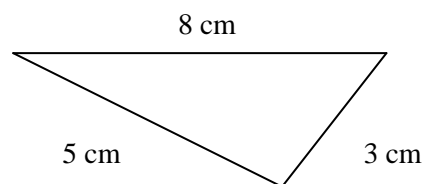
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- (3) Name the type of triangle on the basis of its sides.



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- (4) Find the circumference of a circle with radius 4.5 cm.

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- (5) Mark the periods with commas and write the given number in words according to the Indian and International place value systems.

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- (6) Find the sum.  
3 years 8 months + 2 years 5 months

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

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- (8) Find the area of a rectangle with sides 8 cm and 7 cm.

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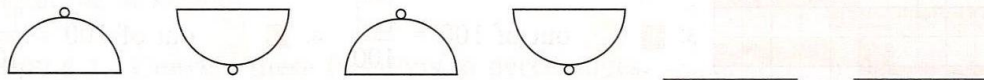
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**Section – IV**

**IV Pictorial Questions.**

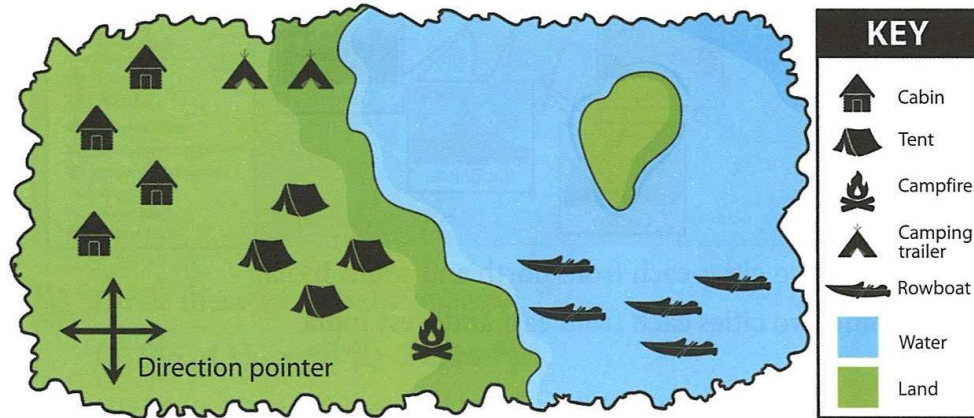
- (1) Continue the pattern and write the turn used.



Turn used \_\_\_\_\_

- (2) Draw a line segment AB equal to 8 cm. At A, draw  $\angle CAB=110^\circ$ .

(3) Observe the map and answer the questions.



- (a) Label the direction pointer in the map.
- (b) The rowboats are to the \_\_\_\_\_ of the campfire.
- (c) The camping trailers are to the \_\_\_\_\_ of the tents.
- (d) The cabins are to the \_\_\_\_\_ of the tents.

### Section – V

#### **V Word Problems.**

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

OR

My mother is 37 years 7 months old. My father is 3 years 8 months older than my mother. What is my father's age?

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- (2) Abhay travelled 28 km by bus and  $x$  km by train. Express the total distance travelled by Abhay as an algebraic expression.

OR

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

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- (3) Aditya mixed  $2\frac{1}{8}L$  of green paint with  $3\frac{5}{16}L$  of red paint. How much paint does he have now?

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- (4) What is the least number of children that can be arranged in rows of 10, 15 or 25 children in each row?

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**Section – VI**

**VI Twisted Question.**

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

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\*\*\*\*\*x\*\*\*\*\*

**Dear Ma'am / Sir,**

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|---|----------|
| * I have revised the answers at least once.                               | YES / NO |
| * I have answered all the questions that I thought I would attempt later. | YES / NO |
| * I have drawn all figures required.                                      | YES / NO |
| * I have done my calculations and solved the problems perfectly.          | YES / NO |
| * I have checked my desk area for exam material.                          | YES / NO |

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Student's Name