

PT-2/HALF YEARLY EXAMINATION, 2022-23
MATHEMATICS

Time – 3 hrs.

Class - V

M.M. : 80

Date – 12.09.2022 (Monday)

Name of the student _____ Section _____

General Instructions:

- This question paper comprises 17 Questions in two sections: Section A and Section B.
- Section A contains 4 questions. Q.No. 1 to 3 carries 1 mark each, Q.No. 4 carries 2 marks each.
- Section B contains 13 questions. Q.No.5 to 10 carries 3 marks each, Q.No 11 to 13 carries 4 marks each, Q.No.14 to 17 carries 5 marks each.
- All questions are compulsory.

SECTION – A

Q1. Choose the correct option. (5x1)

- (i) One more than 9,99,999 is _____.
- (a) 1 crore (b) 1 lakh (c) 10 crore (d) 10 lakh
- (ii) Length of boundary of a plane shape is called its _____.
- (a) Perimeter (b) Area (c) Width (d) None of these
- (iii) Like fractions have same _____.
- (a) Numerator (b) Denominator (c) Both (a) and (b) (d) None of these
- (iv) What kind of angle does form at 03:00 AM in a clock with hour and minute hand?
- (a) Acute angle (b) Obtuse angle (c) Right angle (d) Straight angle
- (v) Which of the following is an equivalent fraction for $\frac{2}{3}$?
- (a) $\frac{2}{5}$ (b) $\frac{10}{15}$ (c) $\frac{4}{9}$ (d) $\frac{6}{12}$

Q2. Fill in the blanks. (5x1)

- (i) Place value of 7 in 4,37,13,392 is _____.
- (ii) The common end point in an angle is called _____.
- (iii) A rectangle is 17 cm long and 4 cm wide. Its area = _____ sq.cm
- (iv) One lakh = _____ thousands.
- (v) $\frac{7}{10}$ of 50 = _____.

Q3. Write True/False For the given statements. (4x1)

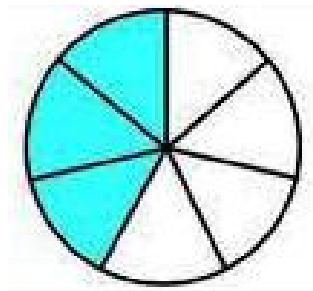
- (i) Letter **G** does not have any line of symmetry.
- (ii) An angle which measures 180° is called a complete angle.
- (iii) A rectangle looks same on one-third turn.
- (iv) Area of a square is sum of its all the sides.

Q4. Answer these questions in one word or one sentence. (8x2)

- (i) Calculate the perimeter of a square of side 9 cm.
- (ii) Write the Improper fraction for $8\frac{10}{11}$.
- (iii) How many lines of symmetry are there in the given figure?

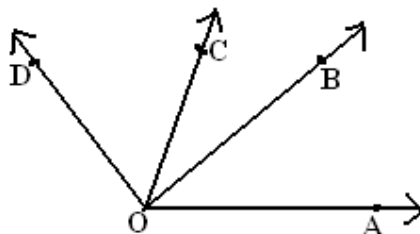


- (iv) Speed of a car is 20 km per hour. How much time will it take to go 60 km?
- (v) Which geometrical shape has uncountable number of lines of symmetry ?
- (vi) Shilpi adds all the angles formed inside a square. How much degree of angle will she get?
- (vii) A rectangle is 10 m long and 5 m wide. Find its perimeter.
- (viii) What part of the circle is shaded in the given figure?



SECTION – B

Q5. Write the name of all the angles formed in the given picture. (3)



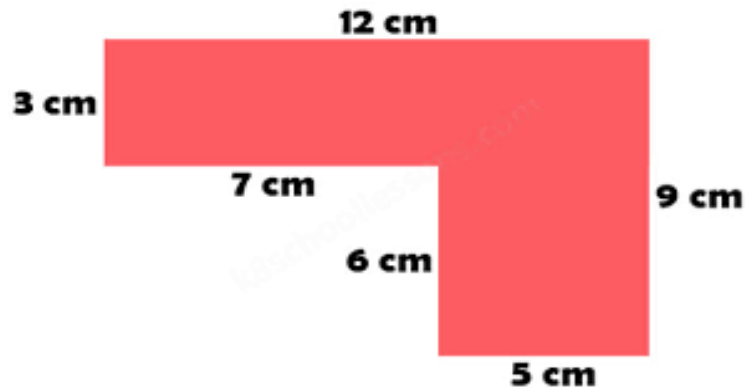
Q6. Write **any 3** equivalent fractions for each. (3)

(a) $\frac{7}{9}$ (b) $\frac{3}{5}$

Q7. Write the number **6,53,57,923** in expanded form. (3)

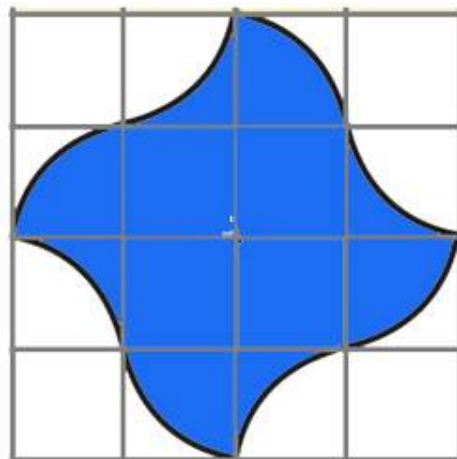
Q8. Shanvi had Rs. 5000 to distribute. She gave $\frac{1}{4}$ to Ravi, $\frac{1}{8}$ to Ruchi and $\frac{1}{5}$ to Shashi.
Find the money each of them got. (3)

Q9. Calculate the perimeter of the given shape. (3)



Q10. Draw any 3 letters (capital letters) of English alphabet which are symmetrical. Also draw their line of symmetry. (3)

Q11. Calculate the approximate area of the given shape. (Side of each grid = 1 cm). (4)



Q12. Draw any 4 letters (capital letters) of English alphabet which would look same after half turn. (4)

Q13. Arrange the given fractions in ascending order. (4)

(a) $\frac{9}{13}, \frac{9}{5}, \frac{9}{7}, \frac{9}{11}, \frac{9}{10}, \frac{9}{19}$

(b) $\frac{7}{5}, \frac{12}{5}, \frac{1}{5}, \frac{33}{5}, \frac{5}{5}, \frac{31}{5}$

Q14. Find these. (5)

(a) Perimeter of a rectangle is 30 cm. If its length is 8 cm, find its breadth.

(b) The length of boundary of a square shaped garden is 100 m. How long is its one side?

Q15. Speed of different boats and catch of fish in one trip by them is given below. **(5)**



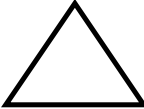
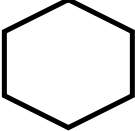
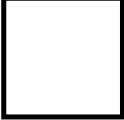
Type of boat	Catch of fish in one trip (in kg)	Speed of the boat (how far it goes in one hour)
Log boat	20	4 km per hour
Long tail boat	600	12 km per hour
Motor boat	800	20 km per hour

- (a) How much *kg* of fish will Long tail boat bring in 6 trips?
 (b) How far can a log boat go in 5 hours?
 (c) Rajani makes 4 trips on Log boat and 2 trips on Motor boat. How much fish in total will she have?

Q16. Name the type of angles formed by hour and minute hand at the following given time:- (write the shortest angle formed) **(5)**

- (a) 06:00 (b) 09:05 (c) 08:00 (d) 03:20 s(e) 07:45

Q17. Draw how the following shapes would look like after $\frac{1}{2}$ turn. **(5)**

		
(a)	(b)	(c)
		
(d)	(e)	

