



DECIMALS

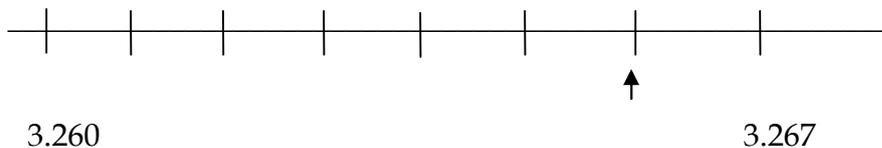
SECTION A

I) Fill in the blanks

- 1) Find the place value of the circled digits: $125.3\textcircled{6}$ = _____
- 2) Write the number names: 26.12 _____
- 3) Compare 6.66 6.66
- 4) The decimal form of $\frac{14}{100}$ is _____
- 5) A decimal number has two parts, namely _____ and _____

SECTION B

- 1) Represent the fraction $\frac{4}{10}$ on a square sheet and write its decimal form.
- 2) Write the expanded form of 456.809 .
- 3) Arrange in ascending order
 $0.7, 0.55, 0.06, 1.01$
- 4) Raju and Sanju were given the decimal number 124.567 to read. Raju read it as one hundred twenty four point five hundred sixty seven and Sanju read it as one hundred twenty four point five six seven. Who read it correctly?
- 5) Write the decimal indicated by the arrow on the number line



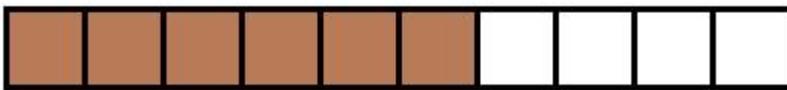
SECTION C

- 1) Make place value charts for the decimals 17.035 .
- 2) Convert 0.9 into a fraction and write the answer in the simplest form.
- 3) Convert $\frac{105}{1000}$ into a decimal number.

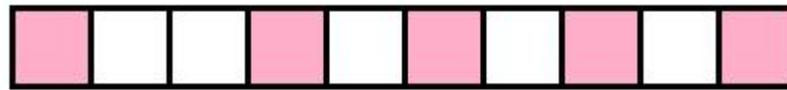
4) Complete the table

	Fraction	Decimal
a.	$\frac{34}{1000}$	
b.		19.609
c.		3.95

5) Write the decimal for the shaded part.







SECTION D

1) Write the fraction as decimals.

- a) $\frac{18}{10}$ b) $\frac{99}{1000}$ c) $\frac{256}{100}$ d) $\frac{63}{100}$

2) Write the decimals as fractions.

- a) 0.004 b) 4.82 c) 5.8 d) 5.005

3) Write the expanded form for the decimals

- a) 456.809 b) 1.008 c) 45.2 d) 20.037

4) Write the number.

- a. $7 \times 10 + 2 \times 1 + \frac{3}{10} + \frac{6}{100}$ b. $4 \times 100 + 2 \times 10 + \frac{1}{10} + \frac{7}{100}$
- c. $5 \times 10 + \frac{1}{10}$ d. $\frac{1}{10} + \frac{5}{100}$



HALF-YEARLY - WORKSHEET 2

CLASS: IV

MATHEMATICS

DIVISION

SECTION A

- 1) The number to be divided is called the _____.
- 2) The number left after finding the quotient is called _____.
- 3) When a number is divided by 1, the quotient is always _____.
- 4) The product of two numbers is 110. If one of them is 11, the other number is _____.
- 5) 12 bags weigh 480 Kg. The weight of one bag is _____.

SECTION B

- 1) Divide and check your answer: $7309 \div 6$
- 2) A box of pencils contains 64 pencils. How many boxes are required to put 860 pencils?
- 3) A machine makes 24 toys in a day. How many days will it take to make 898 toys?
- 4) Find the dividend if
 - a) Divisor = 10 Quotient = 29 and Remainder = 5
 - b) Divisor = 29 Quotient = 15 and Remainder = 0
- 5) Write the division facts for the following products:
 - a) $8 \times 6 = 48$
 - b) $12 \times 5 = 60$

SECTION C

- 1) Baker bakes 8730 loaves of bread in 5 days. How many loaves of bread does he bake in 1 day?
- 2) Kanika had 448 shells. She put 16 shells in each bag. How many bags did she use? How many shells were remaining?
- 3) Find the number of books on each row if 83 rows can hold 4482 books?
- 4) The sum of 208 and 356 is subtracted from 1064. If the number so obtained is divided by 15, Find the remainder.
- 5) If one litre of milk costs Rs 29, how many litres of milk can be bought for Rs 1073?

SECTION D

- 1) What is the least number that should be subtracted from 5974 to make it exactly divisible by 71?
- 2) The product of the age of two persons is 2438 years. If one of them is 46 years old, then find out the age of the other person.
- 3) Which number should be subtracted from 3700 in order to make it exactly divisible by 24?
- 4) 516 when divided by a divisor lying between 60 and 65 leaves a remainder 12, find the divisor.
- 5) Observe the patterns and fill in the blanks, following the patterns
 - a) $16 \div 8 = \underline{\hspace{2cm}}$
 - b) $160 \div 8 = \underline{\hspace{2cm}}$
 - c) $1600 \div 8 = \underline{\hspace{2cm}}$
 - d) $16000 \div 8 = \underline{\hspace{2cm}}$



HALF-YEARLY - WORKSHEET 3

CLASS: IV

MATHEMATICS

FRACTIONS

SECTION A

I) Fill in the blanks

- 1) Fractions where numerator is always one is called a _____.
- 2) How many one-third make a whole? _____
- 3) Raju was given $\frac{3}{8}$ of a cake and Minu was given $\frac{1}{8}$ of the same cake. Who got the more share? _____
- 4) Compare $\frac{3}{7}$ $\frac{5}{7}$
- 5) $\frac{1}{3}$, $\frac{1}{4}$ and $\frac{2}{5}$ are _____ fractions

SECTION B

- 1) Convert $\frac{17}{5}$ into a mixed fraction.
- 2) Convert $7\frac{2}{9}$ into an improper fraction
- 3) Write five equivalent fractions of $\frac{2}{5}$.
- 4) Raman sold $\frac{7}{12}$ of the total mangoes in the morning and $\frac{5}{12}$ in the evening. What fraction of the total mangoes did he sell in the entire day?
- 5) Simplify $\frac{64}{32}$ to its lowest term.

SECTION C

- 1) A shopkeeper had $\frac{3}{4}$ Kg rice. He sold $\frac{1}{4}$ Kg rice. How much of rice was left with him?
- 2) Subtract $3\frac{2}{5}$ from $7\frac{4}{5}$.
- 3) Add $1\frac{3}{8}$, $3\frac{4}{8}$, $5\frac{1}{8}$
- 4) There is $12\frac{3}{7}$ Kg of flour in a bag. $4\frac{2}{7}$ Kg was used by the mother. How much is left out in the bag?
- 5) A jug contains $3\frac{2}{5}$ L of juice. $1\frac{3}{5}$ L of juice is used. How much juice is left out?

SECTION D

- 1) From a rope of $10\frac{1}{8}$ m long, a piece $3\frac{5}{8}$ is cut off. How much is left out?
- 2) Kamyra drank $\frac{2}{7}$ of a glass of juice in the afternoon and $\frac{5}{7}$ of a glass of juice in the evening.
How much more did she drink in the evening? Is juice good for health? Do you like Juice?
- 3) A man walked $3\frac{3}{4}$ Km, cycled $5\frac{7}{4}$ Km and ran $2\frac{3}{4}$ Km. How much did he travel together?
- 4) The sum of two fractions is $\frac{8}{15}$. If one fraction is $\frac{5}{15}$, what is the other fraction?
- 5) Sana got $\frac{4}{14}$ of the cake from her mother and $\frac{8}{14}$ of the cake from her father. What fraction of the cake does she have now?



HALF-YEARLY - WORKSHEET 4

CLASS: IV

MATHEMATICS

FACTORS

SECTION A

- 1) _____ is a factor of every number.
- 2) The smallest factor of 16 is _____.
- 3) All even numbers are divisible by _____.
- 4) Factors of a number can be determined by either using _____ or _____.
- 5) 545 is divisible by _____.

SECTION B

- 1) Find if a) 6 is a factor of 54 b) 9 is a factor of 32
- 2) Which of the following numbers is not a factor of 45?
3, 5, 6, 9, 12 and 15
- 3) Write all the numbers between 400 and 500 that are divisible by 10.
- 4) Find the factors of a) 20 b) 42
- 5) List all the even factors of 48.

SECTION C

- 1) Find the factors of 21, 64 and 90.
- 2) Find the common factors of the following
a) 15 and 25 b) 6 and 12 c) 9 and 12

- 3) Make a factor tree for the numbers a) 81 b) 40
- 4) Write the factors of 16 and 18. Which factors are common to both 16 and 18? Which common factor is the smallest and which one is the greatest?
- 5) Which of the following numbers are divisible by 5?
3025, 6771, 8765, 407, 2368, 530
- 6) Find the number between 79 and 85 that is divisible by both 2 and 10.

SECTION D

- 1) Find the smallest number that can be added to 1254 so that the number obtained is
 - a) divisible by 2
 - b) divisible by 5
 - c) divisible by 10
- 2) The P.T Teacher is arranging his class of 42 students to stand in rows. What are the different numbers of row he can make, such that each row has the same number of students? Why is PT period important for a student?
- 3) a) List 5 numbers which are divisible by 5 but not by 10.
b) If a number is divisible by 4 will it also be divisible by 2? Give an example.
c) If a number is divisible by 3 will it also be divisible by 9? Give an example.
d) If a number is divisible by 6 will it also be divisible by 3? Give an example.
- 4) A piece of cardboard measures 140 cm. It has to be divided into 35 equal pieces without anything being left. Check if it is possible.
- 5) Write the numbers between 456 and 522 that are divisible by 2.
- 6) What are the factors of 75? Is 75 even or odd? What can you say about the factors of 75?
- 7) Which is the smallest even number that has only 3 factors?



HALF-YEARLY - WORKSHEET 5

CLASS: IV

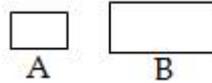
MATHEMATICS

PERIMETER AND AREA

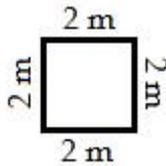
SECTION A

1. The distance around a closed figure is called its _____.

2. The figure having more area is _____.



3. Perimeter of the below figure is _____.



4. The area of a square of side 1m is _____.

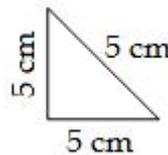
5. The amount of surface occupied by a shape is called its _____.

SECTION B

1. Find the length of the fence around a field of length 10 m and breadth 8 m.

2. Find the perimeter of a square field of side 22 m.

3. Find the perimeter of the given triangle.



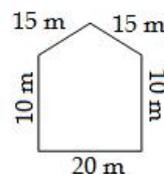
4. Find the area of a rectangle whose length is 6m and breadth is 4m.

5. Find the area of a square whose side is 6m long.

SECTION C

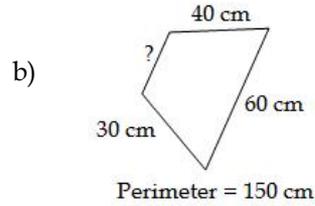
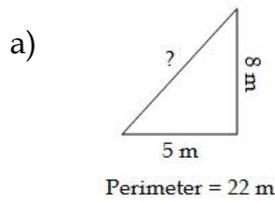
1. A carpet measures 5m long and 3m wide. Find its perimeter and area.

2. Find the perimeter of the given figure.



3. Find the length of a golden thread needed to decorate the boundary of a photo frame of side 30 cm.

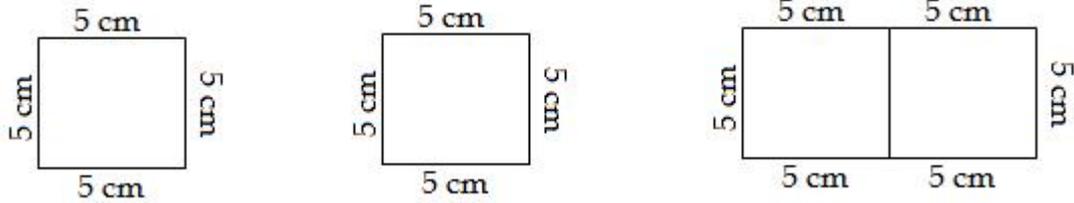
4. Find the missing length in the following figure:



5. Find the area of a square whose one side is: a) 10 m b) 8.5 cm.

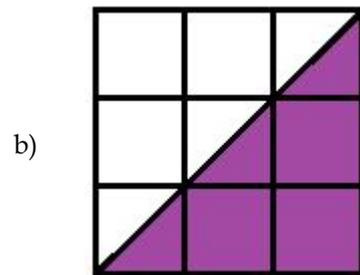
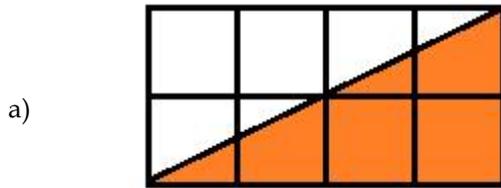
SECTION D

1. Two squares each of side 5 cm are placed side by side to form a rectangle



- a) Find the perimeter of the rectangle so formed.
- b) Find the area of the rectangle.

2. Give the area of the shaded triangle in given figures.



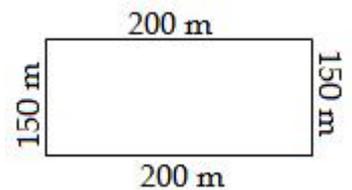
3. A rectangular field is of length 45 m and breadth 25 m. It has to be fenced around with barbed wire. Find the length of barbed wire required to fence by giving 4 rounds. Also find its area.

4. The perimeter of a square plot is 100 m. Find its length and hence find the area enclosed.

5. Rahul loves cycling. Every day he takes two rounds along the boundary wall of his colony. Here is the boundary wall of his colony.

a) What is the distance covered by Rahul in one round?

b) What is the total distance covered by Rahul every day?





HALF-YEARLY - WORKSHEET 6

CLASS: IV

MATHEMATICS

MULTIPLES

SECTION A

1. The number which is a multiple of both 8 and 9 is _____.
2. A number which is not a multiple of 2 is an _____ number.
3. A multiple of a number is always _____ than the number itself.
4. $3 \times 4 = 12$. 12 is a multiple of _____ and _____.
5. Is 216 a multiple of 12? _____.

SECTION B

1. Write all the even numbers between 46 and 64.
2. Write all the odd multiples of 9 less than 100?
3. Write down the multiples of 8 that are less than 100.
4. How many multiples of 20 do you have from 40 to 200?
5. Check whether 385 is a common multiple of 3 and 5.

SECTION C

1. Check if the first number is a multiple of the second number
 - a) 155, 5
 - b) 152, 4
 - c) 590, 10
2. Find the first 5 multiples of each of the following:
 - a) 18
 - b) 24
 - c) 37
3. Find the first two common multiples of
 - a) 3 and 6
 - b) 16 and 24
 - c) 9 and 12

4. Find the multiples of 6 and 15 and hence find their common multiples.

5. a) Write all the multiples of 6 which lie between 40 and 65?

b) Is 276 a multiple of 7?

SECTION D

1. a) Are all the factors of a number a multiple of it? Justify your answer.

b) Check whether 243 is a common multiple of 2 and 3.

2. a) What do you observe about the multiples of an even number and the multiples of an odd number?

b) List first 5 even multiples of 7.

3. a) A roll of cloth measures 175 m. Can it be cut into equal number of pieces, each measuring 5 m, without any length of cloth left over?

b) Rakesh has 78 marbles. Can he share the marbles equally with his brother?



CLASS: IV

MATHEMATICS

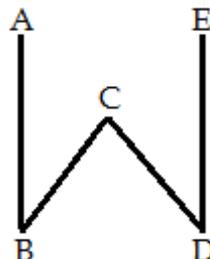
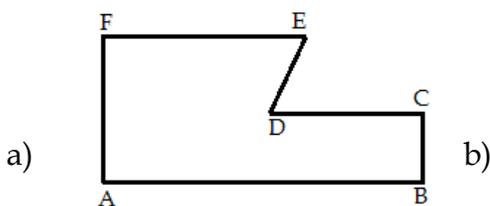
GEOMETRY

I. FILL IN THE BLANKS:

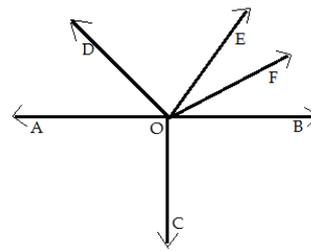
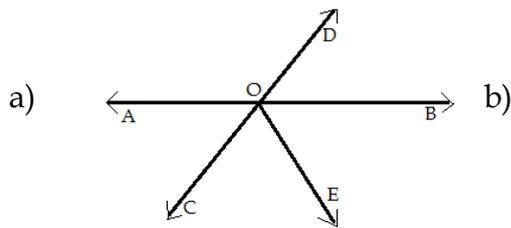
1. A line can be extended on _____ sides.
2. When two rays or line segment meet at a point, they form an _____.
3. If the radius of a circle is 4 cm then its diameter is _____.
4. A _____ sided polygon is called a quadrilateral.
5. A polygon with 7 sides is called _____.
6. _____ figures do not have the same starting and end points.
7. A circle has _____ number of diameters.
8. The length of the boundary of a circle is called its _____.
9. \longleftrightarrow AB represents a _____.
10. A _____ cannot be drawn on a paper but can be represented by a diagram.

SECTION - B

1. How many line segments are there in each of the following diagrams?



2. Identify the lines, line segments, and rays in the following figures. Also name them.



3. Find how many line segments can be drawn through.

- (a) One Point (b) Two Points

4. Find the radius or diameter as required

- (a) Diameter = 10 cm

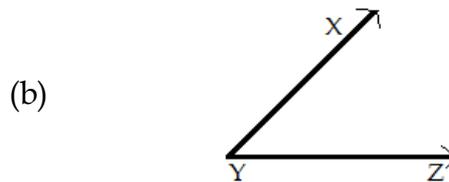
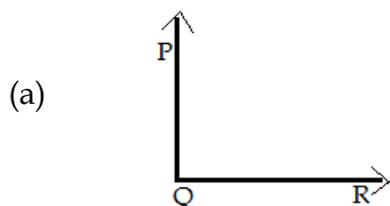
- (b) Radius = 28 dm

Radius = _____ cm

Diameter = _____ dm

5. The radius of the wheel of a bicycle is 18 cm. Find the diameter of the wheel.

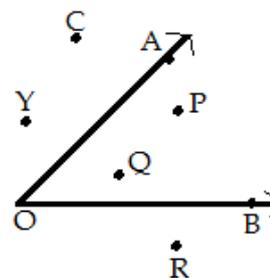
6. Name the following angles. Also name the vertex and arms of the following angles.



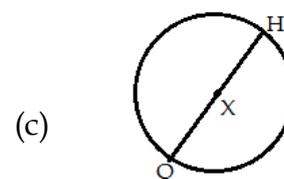
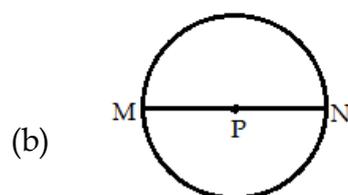
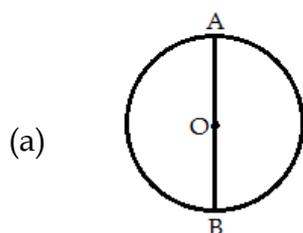
7. For the given figure, name all the points that

- (a) lie in the interior of $\angle AOB$

- (b) lie in the exterior of $\angle AOB$



8. For each of the following figures, name the diameter and two radii.



9. Draw a circle of radius 5 cm.

10. Draw an angle measuring 40° .

11. Draw an obtuse angle of any measure.

12. Draw a line segment measuring 7 cm.

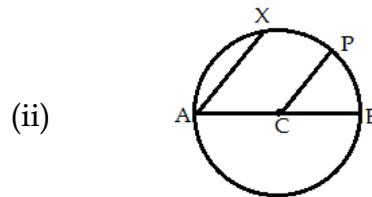
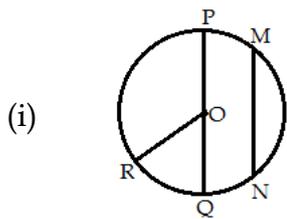
13. In the figures, name the following.

a) Centre

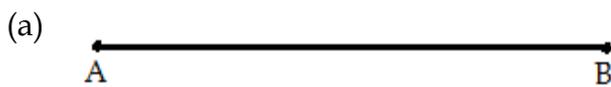
b) Radius

c) a chord

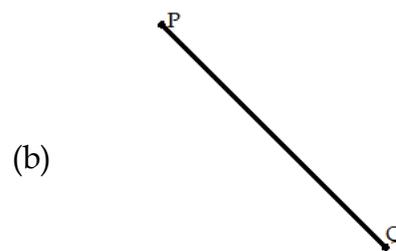
d) a diameter



14. Measure the length of the given line segments.



$\overline{AB} = \underline{\hspace{2cm}}$ cm



$\overline{PQ} = \underline{\hspace{2cm}}$ cm

15. Name the angles:

