

KRISTU JYOTI VIDYA NIKETAN

CHETHIPUZHA, CHANGANASSERY – 686 104

Annual Examination – 2022-2023

Class : VI

MATHEMATICS

Time : 2 ½ hrs

Max. Marks : 80

SECTION – A

Question 1

Fill in the blanks.

[1x10=10]

1. $49.5 \div 1000 =$ _____
2. $0.0345 =$ _____ %
3. A line segment has _____ end points.
4. The complementary angle of 72° is _____
5. Complete angle = _____
6. The region bounded by an arc and two radii is called _____
7. The sum of the three angles of a triangle is _____⁰.
8. Perimeter of a square whose each side measures 12 m is _____ m.
9. A triangle having any two sides equal is called an _____ triangle
10. $65.7 \times 100 =$ _____

Question 2

Choose the correct answer.

[1x10=10]

1. The product of 0.2 and 0.3 is
a) 6 b) 0.6 c) 0.06 d) 0.006
2. 7 students in a class are absent and 43 are present. The percentage of students absent is
a) 7% 14% c) 21% d) 43%

This paper consists of 5 printed pages

3. The number of edges of a cuboid is
a) 6 b) 8 c) 10 d) 12
4. The number of sides of a hexagon is
a) 5 b) 6 c) 7 d) 8
5. Name the solid which represents 'candle'
a) cube b) cuboid c) cone d) cylinder
6. Supplementary angle of 65° is
a) 65° b) 25° c) 115° d) 90°
7. In a circle of radius 2 cm, a chord which can be drawn having the maximum length is _____
a) 2 cm b) 4 cm c) 6 cm d) 8 cm
8. If equal angles of an isosceles triangle are 50° , then the measure of other angle is _____
a) 50° b) 60° c) 70° d) 80°
9. To draw or measure an angle we use _____
a) Protractor b) ruler c) divider d) None of these
10. The decimal form of $\frac{26}{25}$ is _____
a) 0.104 b) 1.04 c) 10.4 d) 1.4

Question 3

Classify the following as true or false.

[1x10=10]

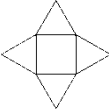

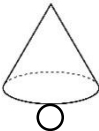
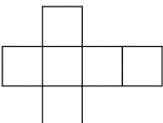
1. Through a given point, an infinite number of lines can be drawn.
2. A line has a definite length.
3. In a circle there are 3 quadrants.
4. The diameter of a circle divides it into two equal halves.

5. A triangle can have two obtuse angles.
6. In an equilateral triangle, the measure of each angle is 60° .
7. Area of a square of side 1 m is 1m^2
8. Decimal form of 125% is 12.5
9. Product of $0.5 \times 1.2 = 6.0$
10. $4.56 > 4.34$

Question 4

Match the following

[1x10=10]

- | A | B |
|--------------------|--|
| 1. Right angle | a) more than half of a rotation |
| 2. Acute angle | b) one fourth of a rotation |
| 3. Straight angle | c) less than a quarter rotation |
| 4. Obtuse angle | d) half of a rotation |
| 5. Reflex angle | e) Rotation of four right angles |
| 6. Complete angle | f) more than a right angle but less than a straight angle. |
| 7. Cube | g)  |
| 8. Cylinder | h)  |
| 9. Cone | i)  |
| 10. Square pyramid | j)  |

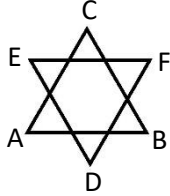
SECTION – B

Question 5

1. Find the value of $28.375 - 12.045$. [2]

2. What percent is 240 litres out of 300 litres. [2]

3.



Find the number of line segments in the figure. Name them. [3]

4. Find the reflex angle of 140° [3]

Question 6

1. Find the radius of a circle whose diameter is 8 cm. [2]

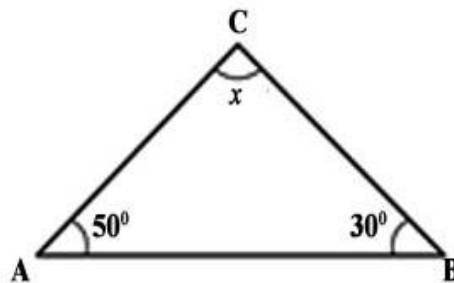
2. Find the area of a rectangle whose sides are 21 m and 11 m. [2]

3. For what value of x , two angles $(x+7)^\circ$ and $(2x+11)^\circ$ are complementary? [3]

4. Divide $3.047 \div 11$ [3]

Question 7

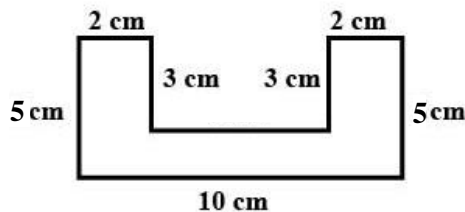
1. Calculate the value of x . [2]



2. Find the perimeter of a regular octagon with each side measuring 15 cm. [2]

3. Construct 45° using ruler and compasses. [3]

4. Find the perimeter of the figure. [3]



Question 8

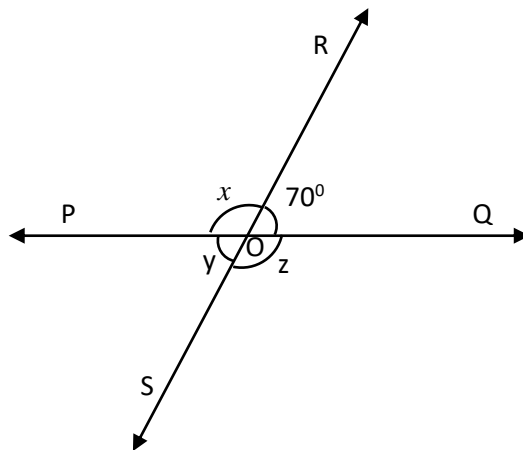
1. The mark of a student decrease from 80 to 76 in mathematics. Calculate the percentage decrease? [3]

2. Construct 150° with the help of a protractor. [3]

3. In the fig PQ intersects RS at O.

If $\angle QOR = 70^\circ$

Find the value of x,y and z. [4]



Prepared by: - Mrs. Susan Antony