

ICSE
Class J
Mathematics
Sample Paper

Time : 2 ½ Hrs
Marks : 80

Class : V

✦ **GENERAL INSTRUCTION** ✦

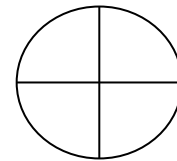
- Answer to this paper must be written on the paper provided separately with a neat Handwriting.
- Attempt all questions from Question No 1 to Question No 3.
- All working, including rough work, must be clearly shown and must be done on the right side of the same sheet as rest of the answer omission of essential working will result in the loss of marks.

Question 01

I. Fill with appropriate answer:

1 × 10 = 10

1. The word 'CENTUM' means _____
a) Percentage b) Hundred
c) Thousand d) Centimeter
2. Percent means for every _____
a) Thousand b) Ten
c) Hundred d) Fifty
3. _____ % of the circle is shaded
a) 25% b) 75 c) $\frac{3}{4}$ % d) 50%
4. Total money you get after a fixed time is called _____
a) Amount b) Total money
c) Interest d) Principal
5. Overhead expenses are always _____ to the cost price to get the _____
a) Subtract, total PC b) Added, total SP
c) Subtract, total SP d) Added, total CP
6. When the interest remains the same every year it's called _____
a) Interest b) Simple Interest c) Complicated Interest d) Principal
7. Average X No. of Items = _____
a) Principal b) Total
c) Profit d) Percentage



8. The radius of a circle with diameter 7 cm is _____
 a) 14 cm b) 3.5 cm c) 10.5 cm d) 21 cm
9. We can draw _____ number of diameter in a circle.
 a) One b) Finite
 c) Infinite d) Minimum
10. At 3'o' clock, the angle formed between the two hands of a clock is _____ angle.
 a) Right b) Acute
 c) Obtuse d) Left

II. Match the following:

1 × 5 = 5

- | A | B |
|----------------------|------------|
| 1. $\frac{42}{100}$ | a. Loss |
| 2. S.P < C.P | b. 42 % |
| 3. Obtuse angle | c. 180^0 |
| 4. Amount - Interest | d. 120^0 |
| 5. Straight Angle | e. P |

III. State True or False:

1 × 5 = 5

1. If 'T' i.e., the time is given in days. Then it should be divided by 366 to convert into years. []
2. If P = Rs. 1500, I = Rs 450 R = 5% p.a then T is equal to 5 years []
3. Average of first ten odd numbers is 10 []
4. $\widehat{\hspace{2cm}}$. The given angle is 180^0 []
5. $6\% = \frac{3}{50}$. []

Question 02

IV. Answer the following:

2 × 5 = 10

1. Find which is more 12% of 60 or 18% of 90?
2. Find: a) CP = Rs 4100 b) SP = 4900
 P = Rs 300C L = 490
 SP = ? CP = ?
3. Find : a) P = Rs 6000 b) SI = 500
 SI = Rs 250 A = 4900
 A = ? P = ?
4. Find : a) Total = 300 b) No. of item = 21
 Average = 30 Average = 21
 No. of item = ? Total = ?
5. Find the diameter of a circle whose radius is 6.5 cm.

V. Compute the answer:

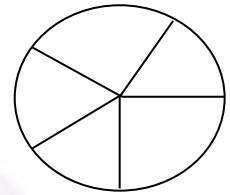
$$3 \times 5 = 15$$

1. Solve : a) Time = 3 years
I = Rs 600
R = 4 % p.a
P = ?
- b) P = Rs 2100
I = Rs 350
T = 2 years
R = ?

2. Define with an example:

- a) Reflex angle b) Chord

3. Find How many percent of portion of the circle is shaded.



4. Find the HCF using prime factor method 144, 180 and 192.

VI. Solve the following:

$$4 \times 5 = 20$$

1. 75 people travel in a bus, 15 were left standing, what percent of the people were seated.
2. Find the required :
- a) P = Rs 6000 I = Rs 900 T = 7 years R = ?
- b) P = Rs 3200 I = Rs 160 R = 2% p.a T = ?
3. Rajive bought pencils for Rs 150, As the were of bad quality, he had to sell them for Rs 127, Find his loss or gain?
4. John covered a distance of 42km in 3hrs and a further distance of 44km in 4hrs. Find his average speed.
5. Write four Differences between line and line segment.

Question 03

V. Answer any 3 questions of the following:

$$5 \times 3 = 15$$

1. Ram bought a second hand cycle for Rs 500. He spent Rs 80 in repair and Rs175 in repainting. He then sold it to Lalith for Rs900. How much did he gain or lose?
2. Construct the angle 90° with all the steps

3. The following are the scores of Raghav, Vidhush and Subhash in a certain year:

Team	Player's		
	Raghav	Vidhush	Subhash
Delhi	146	102	188
Uttar pradesh	206	149	285
Mumbai	80	58	35

- Whose average is best and by how much?
- Against Which country did they score more than their individual average?

