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# MATHEMATICS
# SAMPLE SHEET

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**Dear Parents,**

We are delighted to share with you this Sample Question Sheet specially designed for students of Class 5.

This sample sheet is intended to give you a fair preview of the depth, quality, and variety of practice material that we have created for your child. The carefully chosen problems are challenging yet age-appropriate, designed to sharpen reasoning, strengthen concepts, and prepare students for competitive exams.

Please note:

- This sample sheet does not include answers.
- The full content, which will be available to enrolled students, comes with answers to all questions and, in most cases, detailed solutions to guide effective learning.

We hope this glimpse convinces you of the rigor, creativity, and care that goes into each of our practice sheets.

**Warm Regards,**
**Indiskool**
**Your Child's Learning Partner**

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# NUMBER SYSTEM

1. Find the smallest 5-digit number exactly divisible by 36.
2. The HCF of two numbers is 18 and their LCM is 360. If one number is 90, find the other.
3. Write the prime factorization of 1584 and express it as a product of powers of primes.
4. Find the sum of all multiples of 9 between 100 and 300.
5. The product of two numbers is 2520 and their HCF is 14. Find their LCM.

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# DECIMALS

1. A shopkeeper bought 15.75 m of cloth. He sold 8.6 m to one customer and 4.25 m to another. How much cloth is left with him?
2. Divide 75.6 ÷ 12 and express the quotient correct to two decimal places.
3. A car runs 16.5 km on 1 litre of petrol. How many litres of petrol will it need to cover 214.5 km?
4. The cost of 4.5 kg of apples is ₹405. Find the cost per kg of apples.
5. The perimeter of a rectangular garden is 154.4 m. If its length is 48.2 m, find its breadth.

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# AREA AND PERIMETER

1. A rectangular field is 85 m long and 60 m wide. Find the cost of fencing it at ₹45 per metre.
2. The area of a square is equal to the area of a rectangle with sides 36 m and 25 m. Find the side of the square.
3. A circular park has a diameter of 28 m. Find its area. (Use π = 3.14)
4. A triangle has base 24 cm and height 16 cm. Find its area. If each side of the triangle is increased by 2 cm, find the new perimeter.
5. The floor of a hall is 12.5 m long and 9.5 m wide. It is to be covered with square tiles of side 0.5 m. Find the number of tiles required.

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# RATIO AND PROPORTION

1. Divide ₹1260 between A, B, and C in the ratio 2:3:5.
2. A map is drawn to the scale 1:50,000. If the distance between two places on the map is 12 cm, find the actual distance between them in km.
3. A recipe for 8 people requires 2.5 kg of rice. How much rice will be needed for 20 people?
4. A and B can complete a piece of work in 15 days and 25 days respectively. In how many days will they complete it together?
5. The monthly incomes of A and B are in the ratio 5:7 and their monthly expenditures are in the ratio 3:5. If each saves ₹8000 per month, find their incomes.

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# FRACTIONS

Q1.
A basket contains 3/5 of apples and the rest are oranges. If there are 60 fruits in total, how many oranges are there?

Q2.
Riya spends 2/7 of her money on books, 1/3 on toys, and saves the rest. If she has ₹ 210 in total, how much money does she save?

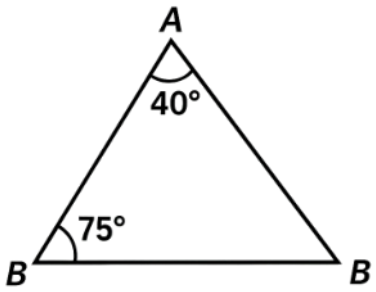
Q3.
A tank is filled 2/3 with water. After using 1/4 of the total tank's capacity, what fraction of the tank is still filled with water?

Q4.
The length of a ribbon is 1 metre. Rohan cuts it into 4 equal pieces and gives one piece to his friend. What fraction of the original ribbon is left with Rohan?

Q5.
A pizza was divided into 12 equal slices. Neha ate 1/4 of the pizza and her brother ate 1/6 of the pizza. What fraction of the pizza is left uneaten?

# GEOMETRY

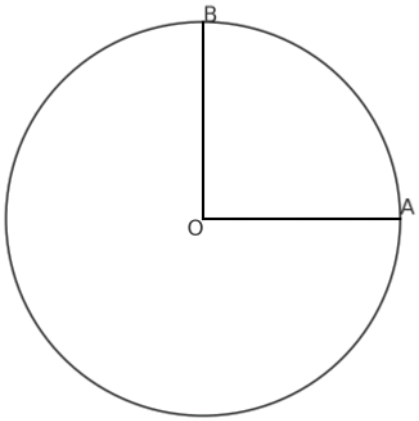
**Q1. Interior Angle of a Triangle**




In the triangle *ABC* shown,
if $\angle A = 40°$ and $\angle B = 75°$,
find $\angle C$.

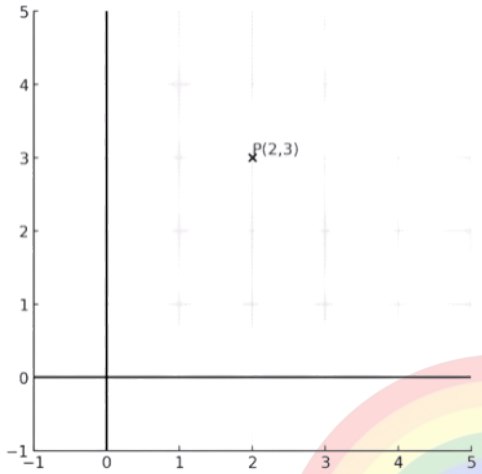
**Q2. Circle**

In the given circle with center **O**, **OA** and **OB** are radii. Find the measure of ∠AOB if it is a right angle. Also, name the type of triangle formed by points A, B, and O.

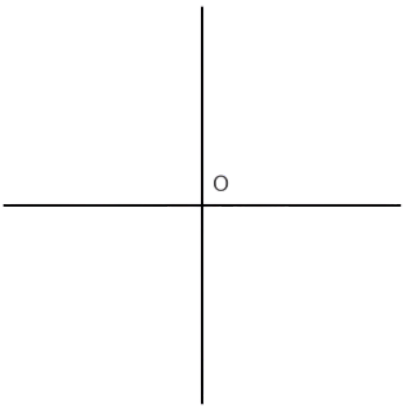



# GEOMETRY

**Q3. Coordinates**
Point **P(2,3)** is plotted on the coordinate plane. Find the distance of point P from the x-axis.




**Q4. Angles at a Point**
Four rays meet at point **O** as shown. If one of the angles is 90°, find the sum of all the angles at point O.




# GEOMETRY

**Q5. Angles on a Straight Line**

In the figure, line AB is a straight line and OC is drawn at point O. If ∠AOC = 60°, find ∠BOC.