

Subject: Maths

Class: Intermediate Skills

Topic: Maths in Context 1

Levels: Basic, Intermediate, Advanced

Level: Basic

1. Rahul has 5 ? and Priya has 8 ?. How many stars do they have in total? _____
2. Complete the pattern: ? ? ? ? _____
3. If one pen costs ?10, what is the cost of 5 such pens? _____
4. Write the number name for 452: _____
5. Which is greater? 789 or 879: _____
6. Add the following: $120 + 80 =$ _____
7. How many sides does a ? (cloud-like shape) not have compared to a ? (triangle)? _____
8. A box has 12 ?. If 4 ? are removed, how many are left? _____
9. What is the value of 2^3 (2 to the power 2)? _____
10. Identify the shape: I have 4 equal sides and 4 corners. I am a _____.

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1. Aarav bought a notebook for ₹45 and a pencil for ₹5. He gave ₹100 to the shopkeeper. Balance: ₹_____
2. If a square has a side of 5cm, what is its perimeter? (Formula: $4 \times \text{side}$) _____
3. Represent 'Half of a Pizza' using a fraction: _____
4. Convert 2 liters into milliliters (ml): _____
5. Anish starts his homework at 4:00 PM and finishes at 5:15 PM. Total time: _____ minutes.
6. Multiply: $15 \times 6 =$ _____
7. What is the next number in the sequence? 2, 4, 8, 16, _____
8. A bag contains 50 coins of ₹2. What is the total value in the bag? ₹_____
9. Draw ☀ (suns) to show the number 12 grouped in sets of 3: _____
10. If π is approximately 3, what is the perimeter of a circle with diameter 10? _____

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Level: Advanced

1. Calculate the area of a rectangle if length = 12m and breadth = 8m: _____ m²
2. In a class of 40 students, 60% are girls. How many boys are there? _____
3. If $\angle = 45^\circ$, and it is doubled, what is the new angle? _____
4. Solve for x: $x + 25 = 100$. $x =$ _____
5. A train travels 150 km in 3 hours. What is its speed per hour? _____ km/h
6. Find the average of these numbers: 10, 20, 30, 40. Average = _____
7. If 1 kg of sugar costs ₹44, how much will 2.5 kg cost? ₹ _____
8. Which symbol makes this true? $\frac{1}{4}$ [< / > / =] 0.25: _____
9. A farmer has 120 sheep. If $\frac{1}{3}$ of them are moved to another farm, how many stay? _____
10. Challenge: If a square's area is 64 cm², what is the length of one side? _____