

Subject: Maths

Class: Advanced Skills

Topic: Maths in Context 1: Advanced Skills

Levels: Basic, Intermediate, Advanced

Level: Basic

1. Aarav bought a pencil for ₹12 and an eraser for ₹8. How much did he spend in total? _____
2. Identify the pattern and write the next two numbers: 10, 20, 30, _____, _____.
3. Draw 4 ☀ (suns) and then add 3 more. How many ☀ are there now? _____
4. If a notebook costs ₹45, what is the cost of 2 such notebooks? _____
5. Ananya has 15 chocolates. She gives 6 to her friend. How many are left? _____
6. Which is greater: ₹150 or ₹105? Write the bigger amount: _____
7. A clock shows the sun ☀ at 12:00 PM. What time will it be 3 hours later? _____
8. Count the total symbols: ☀ ☀ ☀ + ☀ ☀ ☀ ☀. Total = _____
9. Write the number name for 98 in English: _____.
10. If one box has 5 laddoos, how many laddoos are in 3 boxes? _____

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Level: Intermediate

1. Rahul bought a toy for ₹245. He gave the shopkeeper a ₹500 note. How much change did he get?

2. A triangle has 3 sides. How many sides do 4 such triangles have in total? _____
3. Area of a square is s^2 . If the side is 5 units, find the area: _____
4. Convert this amount into paise: ₹7.50 = _____ paise.
5. If a train travels 60 km in 1 hour, how far will it go in 4 hours? _____
6. Solve for x : If $x + 20 = 50$, then $x =$ _____.
7. A fruit seller has 120 apples. If $\frac{1}{4}$ of them are bruised, how many are good? _____
8. Arrange in descending order: 89, 98, 108, 80. _____
9. A rectangular park is 20m long and 10m wide. What is its perimeter? _____
10. Fill the blank: $15 \times 4 = 10 \times$ _____.

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Level: Advanced

1. The ratio of the circumference to the diameter of a circle is π . If diameter is 7cm, find circumference (use $\pi = 22/7$): _____
2. A shop offers a 10% discount on a dress worth ₹2000. What is the final price? _____
3. If $5x + 10 = 35$, find the value of x: _____
4. The temperature in Shimla dropped from 15°C to -2°C . What was the total drop? _____
5. A car consumes 1 liter of petrol for 15 km. How much petrol is needed for a 225 km trip? _____
6. Calculate the simple interest on ₹1000 at 5% per year for 2 years: _____
7. If the area of a circle is πr^2 , find the area when radius $r = 7$ units: _____
8. An electronic gadget costs ₹15,000. If GST is 18%, what is the total cost? _____
9. Find the average of the first five prime numbers: _____
10. A tank is $3/4$ full. After adding 50 liters, it becomes full. What is the tank's capacity? _____