

Subject: Maths

Class: Upper Primary / Secondary

Topic: Advanced Mental Maths

Levels: Basic, Intermediate, Advanced

Level: Basic

1. What is the sum of 450 and 550? _____
2. Calculate 12×8 mentally: _____
3. If a pen costs ₹15, what is the cost of 6 pens? _____
4. Find the value of $100 - (25 + 35)$: _____
5. What is half of 1500? _____
6. Add these symbols: $? + ? + ? = 3$. What is $? + ??$ _____
7. Which is greater: 0.5 or 0.05? _____
8. How many minutes are there in 2.5 hours? _____
9. Solve: $900 \div 30 =$ _____
10. Complete the pattern: 2, 4, 8, 16, _____

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Level: Intermediate

1. What is 10% of ₹2,500? _____
2. Calculate the square of 15 (15^2): _____
3. If $4x = 48$, what is the value of x ? _____
4. A shop gives a 20% discount on a ₹500 toy. New price: _____
5. Convert $\frac{3}{4}$ into a percentage: _____%
6. Find the average of 10, 20, and 60: _____
7. If $? + ? = 50$, then $? \div 2$ is: _____
8. What is the next prime number after 17? _____
9. Solve: $(8 \times 5) + (12 \div 4) =$ _____
10. If a train travels 60 km in 1 hour, how far in 15 minutes? _____

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Level: Advanced

1. What is the value of 2^5 (2 to the power of 5)? _____
2. Estimate the square root of 145 to the nearest whole number: _____
3. If the radius of a circle is 7cm, what is its circumference? (Use $\pi = 22/7$): _____
4. Solve for x : If $2x + 10 = 90$, then $x =$ _____
5. Calculate 15% of 800 mentally: _____
6. What is the sum of the first 10 natural numbers? _____
7. If a bag contains 5 red balls and 3 blue balls, what is the probability of picking a red ball? _____
8. Find the product of $25 \times 25 \times 0$: _____
9. A car covers 120 km in 2 hours. What is its speed in m/s? _____
10. If 12.5% of a number is 50, what is the number? _____