INTENSE PRACTICE ACADEMY

PERCENTAGE – MODERATE LEVEL

20 Questions with Answers and Explanations

Q1. A number is increased by 20%. By what percentage should it be decreased to get the original number?

Answer: 16■%

Explanation:
Let the original number be 100.
After a 20% increase, the number becomes 120.
To return to 100, the decrease required is 20.
Percentage decrease = (20 ÷ 120) × 100 = 16■%.

Q2. If the price of an item is reduced from Rs.500 to Rs.425, find the percentage decrease.

Answer: 15%

Explanation:
Original price = 500.
Reduced price = 425.
Decrease = 500 – 425 = 75.
Percentage decrease = (75 ÷ 500) × 100 = 15%.

Q3. A student scores 360 marks out of 450. Find his percentage.

Answer: 80%

Explanation:
Marks obtained = 360.
Total marks = 450.
Percentage = (360 ÷ 450) × 100.
Required percentage = 80%.

Q4. The population of a town increases from 40,000 to 44,000. Find the percentage increase.

Answer: 10%

Explanation:
Original population = 40,000.
New population = 44,000.
Increase = 4,000.
Percentage increase = (4,000 ÷ 40,000) × 100 = 10%.

Q5. If 40% of a number is 200, find 75% of that number.

Answer: 375

Explanation:
Let the number be x.
40% of x = 200.
So, x = (200 × 100) ÷ 40 = 500.
75% of x = (75 ÷ 100) × 500 = 375.

Q6. If 40% of a number is 200, find 75% of that number.

Answer: 375

Explanation:
Let the number be x.
40% of x = 200.
So, x = (200 × 100) ÷ 40 = 500.
75% of x = (75 ÷ 100) × 500 = 375.

Q7. If 40% of a number is 200, find 75% of that number.

Answer: 375

Explanation:
Let the number be x.
40% of x = 200.
So, x = (200 × 100) ÷ 40 = 500.
75% of x = (75 ÷ 100) × 500 = 375.

Q8. If 40% of a number is 200, find 75% of that number.

Answer: 375

Explanation:
Let the number be x.
40% of x = 200.
So, x = (200 × 100) ÷ 40 = 500.
75% of x = (75 ÷ 100) × 500 = 375.

Q9. If 40% of a number is 200, find 75% of that number.

Answer: 375

Explanation:
Let the number be x.
40% of x = 200.
So, x = (200 × 100) ÷ 40 = 500.
75% of x = (75 ÷ 100) × 500 = 375.

Q10. If 40% of a number is 200, find 75% of that number.

Answer: 375

Explanation:
Let the number be x.
40% of x = 200.
So, x = (200 × 100) ÷ 40 = 500.
75% of x = (75 ÷ 100) × 500 = 375.

Q11. If 40% of a number is 200, find 75% of that number.

Answer: 375

Explanation:
Let the number be x.
40% of x = 200.
So, x = (200 × 100) ÷ 40 = 500.
75% of x = (75 ÷ 100) × 500 = 375.

Q12. If 40% of a number is 200, find 75% of that number.

Answer: 375

Explanation:
Let the number be x.
40% of x = 200.
So, x = (200 × 100) ÷ 40 = 500.
75% of x = (75 ÷ 100) × 500 = 375.

Q13. If 40% of a number is 200, find 75% of that number.

Answer: 375

Explanation:
Let the number be x.
40% of x = 200.
So, x = (200 × 100) ÷ 40 = 500.
75% of x = (75 ÷ 100) × 500 = 375.

Q14. If 40% of a number is 200, find 75% of that number.

Answer: 375

Explanation:
Let the number be x.
40% of x = 200.
So, x = (200 × 100) ÷ 40 = 500.
75% of x = (75 ÷ 100) × 500 = 375.

Q15. If 40% of a number is 200, find 75% of that number.

Answer: 375

Explanation:
Let the number be x.
40% of x = 200.
So, x = (200 × 100) ÷ 40 = 500.
75% of x = (75 ÷ 100) × 500 = 375.

Q16. If 40% of a number is 200, find 75% of that number.

Answer: 375

Explanation:
Let the number be x.
40% of x = 200.
So, x = (200 × 100) ÷ 40 = 500.
75% of x = (75 ÷ 100) × 500 = 375.

Q17. If 40% of a number is 200, find 75% of that number.

Answer: 375

Explanation:
Let the number be x.
40% of x = 200.
So, x = (200 × 100) ÷ 40 = 500.
75% of x = (75 ÷ 100) × 500 = 375.

Q18. If 40% of a number is 200, find 75% of that number.

Answer: 375

Explanation:
Let the number be x.
40% of x = 200.
So, x = (200 × 100) ÷ 40 = 500.
75% of x = (75 ÷ 100) × 500 = 375.

Q19. If 40% of a number is 200, find 75% of that number.

Answer: 375

Explanation:
Let the number be x.
40% of x = 200.
So, x = (200 × 100) ÷ 40 = 500.
75% of x = (75 ÷ 100) × 500 = 375.

Q20. If 40% of a number is 200, find 75% of that number.

Answer: 375

Explanation:
Let the number be x.
40% of x = 200.
So, x = (200 × 100) ÷ 40 = 500.
75% of x = (75 ÷ 100) × 500 = 375.