



Instructions: Here are some sample questions and answers for practice.

Question 1: The sum of two numbers is 20, and their product is 96. What are the numbers?

Answer: The numbers are 12 and 8.

Question 2: If $\frac{3}{4}$ of a number is 18, what is the number?

Answer: The number is 24.

Question 3: A rectangle has a perimeter of 30 cm and an area of 36 sq cm. What are its dimensions?

Answer: Dimensions are 6 cm by 6 cm.

Question 4: The sides of a triangle are in the ratio 3:4:5. If the perimeter is 24 cm, what is the length of the shortest side?

Answer: Shortest side = 3 cm.

Question 5: The sum of three consecutive integers is 21. What are the integers?

Answer: The integers are 6, 7, and 8.

Question 6: A rectangular field has a length that is twice its width. If the perimeter is 60 meters, find the dimensions of the field.

Answer: Length = 20 meters, Width = 10 meters.

Question 7: The perimeter of a right triangle is 30 cm and one of its legs is 8 cm. Find the length of the hypotenuse.

Answer: Hypotenuse = 17 cm.

Question 8: A cyclist covers a distance of 45 km at a speed of 15 km/h. How long did the cyclist take to cover the distance?

Answer: Time = 3 hours.

Question 9: The ratio of the ages of Ram and Shyam is 3:4. If Shyam is 28 years old, how old is Ram?

Answer: Ram is 21 years old.

Question 10: The sum of the ages of A and B is 30 years. Five years ago, A was twice as old as B. What are their current ages?

Answer: A is 20 years old, B is 10 years old.