

Practice Questions

GCD (Greatest Common Divisor)



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Question 1: Find the GCD of 48 and 60.

Question 2: Find the GCD of 144 and 216.

Question 3: Two ropes are 56 meters and 84 meters long. Find the maximum length of each piece if the ropes are to be cut into pieces of equal length.

Question 4: Find the GCD of 30, 45, and 75.

Question 5: Find the greatest common divisor of 132 and 168 using the division method.

Question 6: A carpenter has boards of lengths 24 cm and 36 cm. He wants to cut them into smaller square pieces of equal area, with no leftovers. Find the maximum side length of each piece.

Question 7: Find the GCD of 81 and 135 using the prime factorization method.

Question 8: Three numbers are 56, 98, and 126. Find their greatest common divisor.

Answer Key

GCD (Greatest Common Divisor)

1. GCD = 12
2. GCD = 72
3. Maximum length = 28 meters
4. GCD = 15
5. GCD = 12
6. Maximum length = 12 cm
7. GCD = 27
8. GCD = 14