

Subject: Mathematics

Class: 5

Topic: LCM and HCF through simple methods

Levels: Basic, Intermediate, Advanced

Level: Basic

1. Write the first five multiples of 6: _____
2. List all the factors of 12: _____
3. Find the Common Factors of 8 and 20: _____
4. Find the HCF of 5 and 10 using the listing method: _____
5. What is the LCM of 3 and 4? (Hint: Use multiplication table) _____
6. Identify the smallest common multiple (LCM) of 2 and 5: _____
7. Is 7 a factor of 49? (Write Yes/No) ? _____
8. Find the HCF of 15 and 25: _____
9. The LCM of two prime numbers like 3 and 7 is their product. Calculate it: _____
10. Fill in the blank: The largest number that divides 10 and 20 exactly is ? _____

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Level: Intermediate

1. Ravi has 12 laddoos and Sita has 18. What is the HCF of 12 and 18? _____
2. Find the LCM of 12 and 16 using the common division method: _____
3. Two bells ring at intervals of 4 and 6 minutes. When will they ring together? _____
4. Find the HCF of 40 and 60: _____
5. Express 24 as a product of prime factors (e.g., $2 \times 2 \dots$): _____
6. What is the smallest number divisible by both 15 and 20? ? _____
7. Find the LCM of 10, 20, and 30: _____
8. If the HCF of two numbers is 1, they are called 'Co-prime'. Are 8 and 9 co-prime? _____
9. A milkman has 20L and 30L cans. What is the max capacity of a mug to measure both? _____
10. Solve for the HCF of 36 and 48: _____

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1. The LCM of two numbers is 60 and their HCF is 5. If one number is 15, find the other: _____
2. Find the HCF of 108 and 144 using long division or prime factors: _____
3. Three rods are 45cm, 60cm, and 75cm long. Find the longest tape that measures all exactly: _____
4. Find the smallest 3-digit number which is exactly divisible by 6, 8, and 12: _____
5. The product of HCF and LCM of 12 and 15 is equal to 12×15 . Calculate this value: _____
6. Find the LCM of ? where $??=25$ and $??=45$: _____
7. A rectangular courtyard is 18m long and 15m wide. Find the largest square tile size: _____
8. Calculate the HCF of 72, 108, and 180: _____
9. Find the least number which when divided by 12 and 16 leaves no remainder: _____
10. True or False: The HCF of two numbers is always smaller than or equal to the numbers. ? _____