



Find the least common multiple of both numbers.

To find the least common multiple one strategy is to list the multiples of the numbers.

4 4 8 12 16 20 24 28 32 36 40 44 48

6 6 12 18 24 30 36 42 48 54 60 66 72

Some of the multiples 4 and 6 have in common are: 12, 24, 36 & 48.
The common multiple that is least is 12.

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

- 1) 8 _____
3 _____
- 2) 5 _____
4 _____
- 3) 10 _____
2 _____
- 4) 3 _____
9 _____
- 5) 7 _____
5 _____
- 6) 2 _____
11 _____
- 7) 6 _____
12 _____
- 8) 8 _____
7 _____
- 9) 10 _____
12 _____
- 10) 9 _____
10 _____

12, 16 To find the GCF of 12 & 16, first write down the factors of each number.

Factors of 12 $\frac{1}{1}, \frac{2}{2}, \frac{3}{3}, \frac{4}{4}, \frac{6}{6}, \frac{12}{12}$

Factors of 16 $\frac{1}{1}, \frac{2}{2}, \frac{4}{4}, \frac{8}{8}, \frac{16}{16}$

2 & 4 are factors both 12 and 16 have in common, with 4 being the greatest. So 4 is the GCF.

Determine the greatest common factor (GCF) of each set of numbers.

Name:

Finding Greatest Common Factor

Choose 7 problems

- 1) 24, 39
Factors of 24 _____
Factors of 39 _____
- 2) 42, 39
Factors of 42 _____
Factors of 39 _____
- 3) 6, 24
Factors of 6 _____
Factors of 24 _____
- 4) 12, 30
Factors of 12 _____
Factors of 30 _____
- 5) 30, 33
Factors of 30 _____
Factors of 33 _____
- 6) 12, 6
Factors of 12 _____
Factors of 6 _____
- 7) 27, 30
Factors of 27 _____
Factors of 30 _____
- 8) 45, 18
Factors of 45 _____
Factors of 18 _____
- 9) 45, 9
Factors of 45 _____
Factors of 9 _____

Answers

1.

2.

3.

4.

5.

6.

7.

8.

9.