



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

Answers

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

Factors of 12 1, 2, 3, 4, 6, 12

Factors of 16 1, 2, 4, 8, 16

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

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

1) 21, 12

Factors of 21 _____, _____, _____, _____

Factors of 12 _____, _____, _____, _____, _____, _____

2) 2, 8

Factors of 2 _____, _____

Factors of 8 _____, _____, _____, _____

3) 6, 2

Factors of 6 _____, _____, _____, _____

Factors of 2 _____, _____

4) 45, 20

Factors of 45 _____, _____, _____, _____, _____, _____

Factors of 20 _____, _____, _____, _____, _____, _____

5) 42, 6

Factors of 42 _____, _____, _____, _____, _____, _____, _____, _____

Factors of 6 _____, _____, _____, _____

6) 6, 33

Factors of 6 _____, _____, _____, _____

Factors of 33 _____, _____, _____, _____

7) 24, 27

Factors of 24 _____, _____, _____, _____, _____, _____, _____, _____

Factors of 27 _____, _____, _____, _____

8) 12, 20

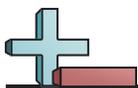
Factors of 12 _____, _____, _____, _____, _____, _____

Factors of 20 _____, _____, _____, _____, _____, _____

9) 21, 27

Factors of 21 _____, _____, _____, _____

Factors of 27 _____, _____, _____, _____



Find the least common multiple of both numbers.

Answers

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.

1) 6 _____
8 _____

2) 4 _____
12 _____

3) 11 _____
5 _____

4) 2 _____
8 _____

5) 11 _____
12 _____

6) 6 _____
7 _____

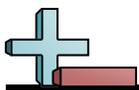
7) 9 _____
5 _____

8) 2 _____
5 _____

9) 2 _____
9 _____

10) 3 _____
6 _____

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

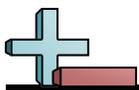


Find the prime factors for each number.

Answers

- 1) 81 = _____
- 2) 41 = _____
- 3) 70 = _____
- 4) 39 = _____
- 5) 91 = _____
- 6) 43 = _____
- 7) 34 = _____
- 8) 16 = _____
- 9) 26 = _____
- 10) 86 = _____
- 11) 18 = _____
- 12) 99 = _____
- 13) 28 = _____
- 14) 47 = _____
- 15) 62 = _____
- 16) 94 = _____
- 17) 68 = _____
- 18) 72 = _____
- 19) 45 = _____
- 20) 47 = _____

- 1. _____
- 2. _____
- 3. _____
- 4. _____
- 5. _____
- 6. _____
- 7. _____
- 8. _____
- 9. _____
- 10. _____
- 11. _____
- 12. _____
- 13. _____
- 14. _____
- 15. _____
- 16. _____
- 17. _____
- 18. _____
- 19. _____
- 20. _____



Use the distributive property to rewrite the expression as a multiple of a sum of two numbers with no common factor.

Ex) $6 + 30$ $6 \times (1+5)$

1) $33 + 30$ _____

2) $6 + 18$ _____

3) $30 + 16$ _____

4) $27 + 39$ _____

5) $9 + 21$ _____

6) $45 + 30$ _____

7) $6 + 12$ _____

8) $4 + 18$ _____

9) $6 + 27$ _____

10) $36 + 24$ _____

11) $6 + 10$ _____

12) $36 + 9$ _____

Answers

Ex. $6 \times (1+5)$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____