



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

Answers

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) 16 , 28

Factors of 16 _____ , _____ , _____ , _____ , _____
 Factors of 28 _____ , _____ , _____ , _____ , _____ , _____

2) 2 , 24

Factors of 2 _____ , _____
 Factors of 24 _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____

3) 30 , 10

Factors of 30 _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____
 Factors of 10 _____ , _____ , _____ , _____

4) 36 , 45

Factors of 36 _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____
 Factors of 45 _____ , _____ , _____ , _____ , _____ , _____

5) 8 , 10

Factors of 8 _____ , _____ , _____ , _____
 Factors of 10 _____ , _____ , _____ , _____

6) 4 , 6

Factors of 4 _____ , _____ , _____
 Factors of 6 _____ , _____ , _____ , _____

7) 45 , 6

Factors of 45 _____ , _____ , _____ , _____ , _____ , _____
 Factors of 6 _____ , _____ , _____ , _____

8) 18 , 39

Factors of 18 _____ , _____ , _____ , _____ , _____ , _____
 Factors of 39 _____ , _____ , _____ , _____

9) 33 , 36

Factors of 33 _____ , _____ , _____ , _____
 Factors of 36 _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____

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



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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.

Answers

1) 16, 28

Factors of 16 1, 2, 4, 8, 16
 Factors of 28 1, 2, 4, 7, 14, 28

2) 2, 24

Factors of 2 1, 2
 Factors of 24 1, 2, 3, 4, 6, 8, 12, 24

3) 30, 10

Factors of 30 1, 2, 3, 5, 6, 10, 15, 30
 Factors of 10 1, 2, 5, 10

4) 36, 45

Factors of 36 1, 2, 3, 4, 6, 9, 12, 18, 36
 Factors of 45 1, 3, 5, 9, 15, 45

5) 8, 10

Factors of 8 1, 2, 4, 8
 Factors of 10 1, 2, 5, 10

6) 4, 6

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

7) 45, 6

Factors of 45 1, 3, 5, 9, 15, 45
 Factors of 6 1, 2, 3, 6

8) 18, 39

Factors of 18 1, 2, 3, 6, 9, 18
 Factors of 39 1, 3, 13, 39

9) 33, 36

Factors of 33 1, 3, 11, 33
 Factors of 36 1, 2, 3, 4, 6, 9, 12, 18, 36

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