

**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) 4 , 27

Factors of 4 _____ , _____ , _____

Factors of 27 _____ , _____ , _____ , _____

2) 6 , 4

Factors of 6 _____ , _____ , _____ , _____

Factors of 4 _____ , _____ , _____

3) 15 , 6

Factors of 15 _____ , _____ , _____ , _____

Factors of 6 _____ , _____ , _____ , _____

4) 10 , 28

Factors of 10 _____ , _____ , _____ , _____

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

5) 42 , 21

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

Factors of 21 _____ , _____ , _____ , _____

6) 33 , 10

Factors of 33 _____ , _____ , _____ , _____

Factors of 10 _____ , _____ , _____ , _____

7) 18 , 16

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

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

8) 24 , 28

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

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

9) 6 , 20

Factors of 6 _____ , _____ , _____ , _____

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

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

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1) 4 , 27

Factors of 4 1 , 2 , 4
Factors of 27 1 , 3 , 9 , 27

2) 6 , 4

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

3) 15 , 6

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

4) 10 , 28

Factors of 10 1 , 2 , 5 , 10
Factors of 28 1 , 2 , 4 , 7 , 14 , 28

5) 42 , 21

Factors of 42 1 , 2 , 3 , 6 , 7 , 14 , 21 , 42
Factors of 21 1 , 3 , 7 , 21

6) 33 , 10

Factors of 33 1 , 3 , 11 , 33
Factors of 10 1 , 2 , 5 , 10

7) 18 , 16

Factors of 18 1 , 2 , 3 , 6 , 9 , 18
Factors of 16 1 , 2 , 4 , 8 , 16

8) 24 , 28

Factors of 24 1 , 2 , 3 , 4 , 6 , 8 , 12 , 24
Factors of 28 1 , 2 , 4 , 7 , 14 , 28

9) 6 , 20

Factors of 6 1 , 2 , 3 , 6
Factors of 20 1 , 2 , 4 , 5 , 10 , 201. 12. 23. 34. 25. 216. 17. 28. 49. 2