

**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) 26 , 18

Factors of 26 _____ , _____ , _____ , _____

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

2) 28 , 36

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

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

3) 9 , 45

Factors of 9 _____ , _____ , _____

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

4) 6 , 2

Factors of 6 _____ , _____ , _____ , _____

Factors of 2 _____ , _____

5) 45 , 3

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

Factors of 3 _____ , _____

6) 18 , 9

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

Factors of 9 _____ , _____ , _____

7) 9 , 36

Factors of 9 _____ , _____ , _____

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

8) 18 , 28

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

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

9) 10 , 22

Factors of 10 _____ , _____ , _____ , _____

Factors of 22 _____ , _____ , _____ , _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

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1) 26 , 18

Factors of 26 1 , 2 , 13 , 26Factors of 18 1 , 2 , 3 , 6 , 9 , 18

2) 28 , 36

Factors of 28 1 , 2 , 4 , 7 , 14 , 28Factors of 36 1 , 2 , 3 , 4 , 6 , 9 , 12 , 18 , 36

3) 9 , 45

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

4) 6 , 2

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

5) 45 , 3

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

6) 18 , 9

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

7) 9 , 36

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

8) 18 , 28

Factors of 18 1 , 2 , 3 , 6 , 9 , 18Factors of 28 1 , 2 , 4 , 7 , 14 , 28

9) 10 , 22

Factors of 10 1 , 2 , 5 , 10Factors of 22 1 , 2 , 11 , 221. 22. 43. 94. 25. 36. 97. 98. 29. 2