

**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 , 12Factors 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 , 24

Factors of 4 _____ , _____ , _____

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

2) 36 , 27

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

Factors of 27 _____ , _____ , _____ , _____

3) 21 , 30

Factors of 21 _____ , _____ , _____ , _____

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

4) 9 , 24

Factors of 9 _____ , _____ , _____

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

5) 4 , 2

Factors of 4 _____ , _____ , _____

Factors of 2 _____ , _____

6) 6 , 16

Factors of 6 _____ , _____ , _____ , _____

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

7) 30 , 8

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

Factors of 8 _____ , _____ , _____ , _____

8) 30 , 24

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

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

9) 6 , 30

Factors of 6 _____ , _____ , _____ , _____

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

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

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1) 4 , 24

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

2) 36 , 27

Factors of 36 1 , 2 , 3 , 4 , 6 , 9 , 12 , 18 , 36Factors of 27 1 , 3 , 9 , 27

3) 21 , 30

Factors of 21 1 , 3 , 7 , 21Factors of 30 1 , 2 , 3 , 5 , 6 , 10 , 15 , 30

4) 9 , 24

Factors of 9 1 , 3 , 9Factors of 24 1 , 2 , 3 , 4 , 6 , 8 , 12 , 24

5) 4 , 2

Factors of 4 1 , 2 , 4Factors of 2 1 , 2

6) 6 , 16

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

7) 30 , 8

Factors of 30 1 , 2 , 3 , 5 , 6 , 10 , 15 , 30Factors of 8 1 , 2 , 4 , 8

8) 30 , 24

Factors of 30 1 , 2 , 3 , 5 , 6 , 10 , 15 , 30Factors of 24 1 , 2 , 3 , 4 , 6 , 8 , 12 , 24

9) 6 , 30

Factors of 6 1 , 2 , 3 , 6Factors of 30 1 , 2 , 3 , 5 , 6 , 10 , 15 , 30**Answers**1. 42. 93. 34. 35. 26. 27. 28. 69. 6