

**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) 26 , 18

Factors of 26 _____ , _____ , _____ , _____

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

2) 24 , 39

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

Factors of 39 _____ , _____ , _____ , _____

3) 26 , 30

Factors of 26 _____ , _____ , _____ , _____

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

4) 18 , 9

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

Factors of 9 _____ , _____ , _____

5) 6 , 4

Factors of 6 _____ , _____ , _____ , _____

Factors of 4 _____ , _____ , _____

6) 12 , 39

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

Factors of 39 _____ , _____ , _____ , _____

7) 30 , 42

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

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

8) 42 , 18

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

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

9) 27 , 6

Factors of 27 _____ , _____ , _____ , _____

Factors of 6 _____ , _____ , _____ , _____

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) 24, 39

Factors of 24 1 , 2 , 3 , 4 , 6 , 8 , 12 , 24Factors of 39 1 , 3 , 13 , 39

3) 26, 30

Factors of 26 1 , 2 , 13 , 26Factors of 30 1 , 2 , 3 , 5 , 6 , 10 , 15 , 30

4) 18, 9

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

5) 6, 4

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

6) 12, 39

Factors of 12 1 , 2 , 3 , 4 , 6 , 12Factors of 39 1 , 3 , 13 , 39

7) 30, 42

Factors of 30 1 , 2 , 3 , 5 , 6 , 10 , 15 , 30Factors of 42 1 , 2 , 3 , 6 , 7 , 14 , 21 , 42

8) 42, 18

Factors of 42 1 , 2 , 3 , 6 , 7 , 14 , 21 , 42Factors of 18 1 , 2 , 3 , 6 , 9 , 18

9) 27, 6

Factors of 27 1 , 3 , 9 , 27Factors of 6 1 , 2 , 3 , 6**Answers**1. 22. 33. 24. 95. 26. 37. 68. 69. 3