

**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) 36 , 18

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

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

2) 26 , 20

Factors of 26 _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____

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

3) 39 , 6

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

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

4) 28 , 36

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

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

5) 12 , 6

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

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

6) 42 , 12

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

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

7) 26 , 18

Factors of 26 _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____

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

8) 3 , 16

Factors of 3 _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____

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

9) 39 , 30

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

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

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

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1) 36 , 18

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

2) 26 , 20

Factors of 26 1 , 2 , 13 , 26Factors of 20 1 , 2 , 4 , 5 , 10 , 20

3) 39 , 6

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

4) 28 , 36

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

5) 12 , 6

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

6) 42 , 12

Factors of 42 1 , 2 , 3 , 6 , 7 , 14 , 21 , 42Factors of 12 1 , 2 , 3 , 4 , 6 , 12

7) 26 , 18

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

8) 3 , 16

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

9) 39 , 30

Factors of 39 1 , 3 , 13 , 39Factors of 30 1 , 2 , 3 , 5 , 6 , 10 , 15 , 301. 182. 23. 34. 45. 66. 67. 28. 19. 3