

**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) 14 , 3

Factors of 14 _____ , _____ , _____ , _____

Factors of 3 _____ , _____

2) 24 , 12

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

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

3) 45 , 21

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

Factors of 21 _____ , _____ , _____ , _____

4) 12 , 14

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

Factors of 14 _____ , _____ , _____ , _____

5) 12 , 2

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

Factors of 2 _____ , _____

6) 24 , 22

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

Factors of 22 _____ , _____ , _____ , _____

7) 10 , 24

Factors of 10 _____ , _____ , _____ , _____

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

8) 10 , 8

Factors of 10 _____ , _____ , _____ , _____

Factors of 8 _____ , _____ , _____ , _____

9) 33 , 18

Factors of 33 _____ , _____ , _____ , _____

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

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____



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1) 14, 3

Factors of 14 1 , 2 , 7 , 14

Factors of 3 1 , 3

2) 24, 12

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

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

3) 45, 21

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

Factors of 21 1 , 3 , 7 , 21

4) 12, 14

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

Factors of 14 1 , 2 , 7 , 14

5) 12, 2

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

Factors of 2 1 , 2

6) 24, 22

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

Factors of 22 1 , 2 , 11 , 22

7) 10, 24

Factors of 10 1 , 2 , 5 , 10

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

8) 10, 8

Factors of 10 1 , 2 , 5 , 10

Factors of 8 1 , 2 , 4 , 8

9) 33, 18

Factors of 33 1 , 3 , 11 , 33

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

1. 1

2. 12

3. 3

4. 2

5. 2

6. 2

7. 2

8. 2

9. 3