



Determine the greatest common factor (GCF) of each set of numbers.

Answers

12 , 16 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. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____

1) 16 , 12

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

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

2) 4 , 30

Factors of 4 _____ , _____ , _____

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

3) 10 , 22

Factors of 10 _____ , _____ , _____ , _____

Factors of 22 _____ , _____ , _____ , _____

4) 39 , 18

Factors of 39 _____ , _____ , _____ , _____

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

5) 24 , 15

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

Factors of 15 _____ , _____ , _____ , _____

6) 27 , 24

Factors of 27 _____ , _____ , _____ , _____

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

7) 3 , 42

Factors of 3 _____ , _____

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

8) 9 , 33

Factors of 9 _____ , _____ , _____

Factors of 33 _____ , _____ , _____ , _____

9) 12 , 6

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

Factors of 6 _____ , _____ , _____ , _____



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Answers

1) 16, 12

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

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

2) 4, 30

Factors of 4 1, 2, 4

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

3) 10, 22

Factors of 10 1, 2, 5, 10

Factors of 22 1, 2, 11, 22

4) 39, 18

Factors of 39 1, 3, 13, 39

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

5) 24, 15

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

Factors of 15 1, 3, 5, 15

6) 27, 24

Factors of 27 1, 3, 9, 27

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

7) 3, 42

Factors of 3 1, 3

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

8) 9, 33

Factors of 9 1, 3, 9

Factors of 33 1, 3, 11, 33

9) 12, 6

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

Factors of 6 1, 2, 3, 6

1. 4

2. 2

3. 2

4. 3

5. 3

6. 3

7. 3

8. 3

9. 6