



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. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____

1) 3 , 18

Factors of 3 _____ , _____

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

2) 42 , 24

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

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

3) 24 , 3

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

Factors of 3 _____ , _____

4) 21 , 33

Factors of 21 _____ , _____ , _____ , _____

Factors of 33 _____ , _____ , _____ , _____

5) 12 , 28

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

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

6) 22 , 30

Factors of 22 _____ , _____ , _____ , _____

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

7) 15 , 24

Factors of 15 _____ , _____ , _____ , _____

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

8) 24 , 27

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

Factors of 27 _____ , _____ , _____ , _____

9) 33 , 18

Factors of 33 _____ , _____ , _____ , _____

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



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Answers

1) 3, 18

Factors of 3 1 , 3

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

1. 3

2) 42, 24

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

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

2. 6

3. 3

4. 3

5. 4

6. 2

7. 3

3) 24, 3

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

Factors of 3 1 , 3

8. 3

9. 3

4) 21, 33

Factors of 21 1 , 3 , 7 , 21

Factors of 33 1 , 3 , 11 , 33

5) 12, 28

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

Factors of 28 1 , 2 , 4 , 7 , 14 , 28

6) 22, 30

Factors of 22 1 , 2 , 11 , 22

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

7) 15, 24

Factors of 15 1 , 3 , 5 , 15

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

8) 24, 27

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

Factors of 27 1 , 3 , 9 , 27

9) 33, 18

Factors of 33 1 , 3 , 11 , 33

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