



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) 9 , 10

Factors of 9 _____ , _____ , _____

Factors of 10 _____ , _____ , _____ , _____

2) 21 , 12

Factors of 21 _____ , _____ , _____ , _____

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

3) 42 , 2

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

Factors of 2 _____ , _____

4) 6 , 45

Factors of 6 _____ , _____ , _____ , _____

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

5) 6 , 4

Factors of 6 _____ , _____ , _____ , _____

Factors of 4 _____ , _____ , _____

6) 30 , 39

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

Factors of 39 _____ , _____ , _____ , _____

7) 21 , 28

Factors of 21 _____ , _____ , _____ , _____

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

8) 2 , 26

Factors of 2 _____ , _____

Factors of 26 _____ , _____ , _____ , _____

9) 18 , 42

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

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

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



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Answers

1) 9 , 10

Factors of 9 1 , 3 , 9

Factors of 10 1 , 2 , 5 , 10

1. 1

2) 21 , 12

Factors of 21 1 , 3 , 7 , 21

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

2. 3

3) 42 , 2

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

Factors of 2 1 , 2

3. 2

4) 6 , 45

Factors of 6 1 , 2 , 3 , 6

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

4. 3

5) 6 , 4

Factors of 6 1 , 2 , 3 , 6

Factors of 4 1 , 2 , 4

5. 2

6) 30 , 39

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

Factors of 39 1 , 3 , 13 , 39

6. 3

7) 21 , 28

Factors of 21 1 , 3 , 7 , 21

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

7. 7

8) 2 , 26

Factors of 2 1 , 2

Factors of 26 1 , 2 , 13 , 26

8. 2

9) 18 , 42

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

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

9. 6