



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) 24 , 20

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

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

2) 21 , 33

Factors of 21 _____ , _____ , _____ , _____

Factors of 33 _____ , _____ , _____ , _____

3) 30 , 12

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

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

4) 10 , 6

Factors of 10 _____ , _____ , _____ , _____

Factors of 6 _____ , _____ , _____ , _____

5) 6 , 36

Factors of 6 _____ , _____ , _____ , _____

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

6) 10 , 15

Factors of 10 _____ , _____ , _____ , _____

Factors of 15 _____ , _____ , _____ , _____

7) 30 , 6

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

Factors of 6 _____ , _____ , _____ , _____

8) 15 , 6

Factors of 15 _____ , _____ , _____ , _____

Factors of 6 _____ , _____ , _____ , _____

9) 45 , 42

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

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

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____



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Answers

1) 24, 20

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

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

2) 21, 33

Factors of 21 1, 3, 7, 21

Factors of 33 1, 3, 11, 33

3) 30, 12

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

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

4) 10, 6

Factors of 10 1, 2, 5, 10

Factors of 6 1, 2, 3, 6

5) 6, 36

Factors of 6 1, 2, 3, 6

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

6) 10, 15

Factors of 10 1, 2, 5, 10

Factors of 15 1, 3, 5, 15

7) 30, 6

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

Factors of 6 1, 2, 3, 6

8) 15, 6

Factors of 15 1, 3, 5, 15

Factors of 6 1, 2, 3, 6

9) 45, 42

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

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

1. 4

2. 3

3. 6

4. 2

5. 6

6. 5

7. 6

8. 3

9. 3