



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) 30, 2

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

Factors of 2 _____, _____

2) 9, 12

Factors of 9 _____, _____, _____

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

3) 24, 30

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

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

4) 30, 28

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

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

5) 39, 6

Factors of 39 _____, _____, _____, _____

Factors of 6 _____, _____, _____, _____

6) 18, 26

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

Factors of 26 _____, _____, _____, _____

7) 6, 2

Factors of 6 _____, _____, _____, _____

Factors of 2 _____, _____

8) 22, 6

Factors of 22 _____, _____, _____, _____

Factors of 6 _____, _____, _____, _____

9) 24, 22

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

Factors of 22 _____, _____, _____, _____

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



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2 & 4 are factors both 12 and 16 have in common, with 4 being the greatest. So 4 is the GCF.

Answers

1) 30 , 2

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

Factors of 2 1 , 2

2) 9 , 12

Factors of 9 1 , 3 , 9

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

3) 24 , 30

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

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

4) 30 , 28

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

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

5) 39 , 6

Factors of 39 1 , 3 , 13 , 39

Factors of 6 1 , 2 , 3 , 6

6) 18 , 26

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

Factors of 26 1 , 2 , 13 , 26

7) 6 , 2

Factors of 6 1 , 2 , 3 , 6

Factors of 2 1 , 2

8) 22 , 6

Factors of 22 1 , 2 , 11 , 22

Factors of 6 1 , 2 , 3 , 6

9) 24 , 22

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

Factors of 22 1 , 2 , 11 , 22

1. 2

2. 3

3. 6

4. 2

5. 3

6. 2

7. 2

8. 2

9. 2