



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) 33, 39

Factors of 33 _____, _____, _____, _____

Factors of 39 _____, _____, _____, _____

2) 18, 21

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

Factors of 21 _____, _____, _____, _____

3) 24, 30

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

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

4) 45, 18

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

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

5) 18, 42

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

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

6) 15, 21

Factors of 15 _____, _____, _____, _____

Factors of 21 _____, _____, _____, _____

7) 3, 21

Factors of 3 _____, _____

Factors of 21 _____, _____, _____, _____

8) 3, 24

Factors of 3 _____, _____

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

9) 12, 9

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

Factors of 9 _____, _____, _____

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



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Answers

1) 33, 39

Factors of 33 1, 3, 11, 33

Factors of 39 1, 3, 13, 39

1. 3

2) 18, 21

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

Factors of 21 1, 3, 7, 21

2. 3

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

3. 6

4) 45, 18

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

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

4. 9

5) 18, 42

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

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

5. 6

6) 15, 21

Factors of 15 1, 3, 5, 15

Factors of 21 1, 3, 7, 21

6. 3

7) 3, 21

Factors of 3 1, 3

Factors of 21 1, 3, 7, 21

7. 3

8) 3, 24

Factors of 3 1, 3

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

8. 3

9) 12, 9

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

Factors of 9 1, 3, 9

9. 3