



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

1) 6, 9

Factors of 6 _____, _____, _____, _____

Factors of 9 _____, _____, _____

2) 30, 4

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

Factors of 4 _____, _____, _____

3) 18, 30

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

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

4) 12, 39

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

Factors of 39 _____, _____, _____, _____

5) 18, 15

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

Factors of 15 _____, _____, _____, _____

6) 26, 14

Factors of 26 _____, _____, _____, _____

Factors of 14 _____, _____, _____, _____

7) 24, 26

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

Factors of 26 _____, _____, _____, _____

8) 36, 9

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

Factors of 9 _____, _____, _____

9) 18, 36

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

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



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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) 6, 9

Factors of 6 1, 2, 3, 6

Factors of 9 1, 3, 9

2) 30, 4

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

Factors of 4 1, 2, 4

3) 18, 30

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

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

4) 12, 39

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

Factors of 39 1, 3, 13, 39

5) 18, 15

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

Factors of 15 1, 3, 5, 15

6) 26, 14

Factors of 26 1, 2, 13, 26

Factors of 14 1, 2, 7, 14

7) 24, 26

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

Factors of 26 1, 2, 13, 26

8) 36, 9

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

Factors of 9 1, 3, 9

9) 18, 36

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

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

1. 3

2. 2

3. 6

4. 3

5. 3

6. 2

7. 2

8. 9

9. 18