



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) 24, 20

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

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

2) 6, 28

Factors of 6 _____, _____, _____, _____

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

3) 30, 8

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

Factors of 8 _____, _____, _____, _____

4) 3, 27

Factors of 3 _____, _____

Factors of 27 _____, _____, _____, _____

5) 39, 12

Factors of 39 _____, _____, _____, _____

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

6) 33, 24

Factors of 33 _____, _____, _____, _____

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

7) 2, 24

Factors of 2 _____, _____

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

8) 42, 21

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

Factors of 21 _____, _____, _____, _____

9) 15, 20

Factors of 15 _____, _____, _____, _____

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



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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) 6, 28

Factors of 6 1, 2, 3, 6

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

3) 30, 8

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

Factors of 8 1, 2, 4, 8

4) 3, 27

Factors of 3 1, 3

Factors of 27 1, 3, 9, 27

5) 39, 12

Factors of 39 1, 3, 13, 39

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

6) 33, 24

Factors of 33 1, 3, 11, 33

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

7) 2, 24

Factors of 2 1, 2

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

8) 42, 21

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

Factors of 21 1, 3, 7, 21

9) 15, 20

Factors of 15 1, 3, 5, 15

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

1. 4

2. 2

3. 2

4. 3

5. 3

6. 3

7. 2

8. 21

9. 5