

Determine the greatest common factor (GCF) of each set of numbers.

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) 27,36

Factors of 27 , , ,

2) 42,30

Factors of 42 , , , , , , , ,

Factors of 30 , , , , , , ,

3) 21, 18

Factors of 21 , , ,

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

4) 39,33

Factors of 39 , , ,

Factors of 33 , , ,

5) 33,8

Factors of 33 , , ,

Factors of 8 , , ,

6) 42, 28

Factors of 42 , , , , , , ,

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

7) 27,8

Factors of 27 , , ,

Factors of 8, , ,

8) 9, 16

Factors of 9 , ,

Factors of 16

9) 6,36

Factors of 6 , , ,

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

Answers

l. _____

2

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____





Answer Key

Name:

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1) 27,36

Factors of 27

Factors of 36 , 6 , 9 , 12 , 18 , 36

2) 42.30

Factors of 42

Factors of 30

3) 21, 18

Factors of 21

Factors of 18

4) 39.33

Factors of 39

Factors of 33

5) 33,8

Factors of 33

Factors of 8

6) 42,28

Factors of 42

Factors of 28

7) 27,8

Factors of 27

Factors of 8

8) 9, 16

Factors of 9

Factors of 16

9) 6,36

Factors of 6

6 , 9 , 12 , 18 , 36 Factors of 36

6

1

10