



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) 14 , 4

Factors of 14 _____ , _____ , _____ , _____

Factors of 4 _____ , _____ , _____

2) 28 , 42

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

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

3) 6 , 28

Factors of 6 _____ , _____ , _____ , _____

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

4) 6 , 12

Factors of 6 _____ , _____ , _____ , _____

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

5) 12 , 45

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

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

6) 26 , 14

Factors of 26 _____ , _____ , _____ , _____

Factors of 14 _____ , _____ , _____ , _____

7) 12 , 4

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

Factors of 4 _____ , _____ , _____

8) 3 , 39

Factors of 3 _____ , _____

Factors of 39 _____ , _____ , _____ , _____

9) 18 , 24

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

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

- 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) 14, 4

Factors of 14 1, 2, 7, 14

Factors of 4 1, 2, 4

1. 2

2) 28, 42

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

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

2. 14

3) 6, 28

Factors of 6 1, 2, 3, 6

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

3. 2

4) 6, 12

Factors of 6 1, 2, 3, 6

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

4. 6

5) 12, 45

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

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

5. 3

6) 26, 14

Factors of 26 1, 2, 13, 26

Factors of 14 1, 2, 7, 14

6. 2

7) 12, 4

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

Factors of 4 1, 2, 4

7. 4

8) 3, 39

Factors of 3 1, 3

Factors of 39 1, 3, 13, 39

8. 3

9) 18, 24

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

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

9. 6