



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) 6 , 39

Factors of 6 _____ , _____ , _____ , _____

Factors of 39 _____ , _____ , _____ , _____

2) 18 , 15

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

Factors of 15 _____ , _____ , _____ , _____

3) 27 , 8

Factors of 27 _____ , _____ , _____ , _____

Factors of 8 _____ , _____ , _____ , _____

4) 28 , 18

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

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

5) 27 , 24

Factors of 27 _____ , _____ , _____ , _____

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

6) 2 , 24

Factors of 2 _____ , _____

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

7) 24 , 12

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

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

8) 27 , 22

Factors of 27 _____ , _____ , _____ , _____

Factors of 22 _____ , _____ , _____ , _____

9) 39 , 22

Factors of 39 _____ , _____ , _____ , _____

Factors of 22 _____ , _____ , _____ , _____

- 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) 6 , 39

Factors of 6 1 , 2 , 3 , 6

Factors of 39 1 , 3 , 13 , 39

1. 3

2) 18 , 15

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

Factors of 15 1 , 3 , 5 , 15

2. 3

3) 27 , 8

Factors of 27 1 , 3 , 9 , 27

Factors of 8 1 , 2 , 4 , 8

3. 1

4) 28 , 18

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

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

4. 2

5) 27 , 24

Factors of 27 1 , 3 , 9 , 27

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

5. 3

6) 2 , 24

Factors of 2 1 , 2

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

6. 2

7) 24 , 12

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

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

7. 12

8) 27 , 22

Factors of 27 1 , 3 , 9 , 27

Factors of 22 1 , 2 , 11 , 22

8. 1

9) 39 , 22

Factors of 39 1 , 3 , 13 , 39

Factors of 22 1 , 2 , 11 , 22

9. 1