



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) 27 , 45

Factors of 27 _____ , _____ , _____ , _____

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

2) 30 , 21

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

Factors of 21 _____ , _____ , _____ , _____

3) 4 , 10

Factors of 4 _____ , _____ , _____

Factors of 10 _____ , _____ , _____ , _____

4) 8 , 45

Factors of 8 _____ , _____ , _____ , _____

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

5) 27 , 36

Factors of 27 _____ , _____ , _____ , _____

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

6) 24 , 12

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

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

7) 24 , 6

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

Factors of 6 _____ , _____ , _____ , _____

8) 26 , 22

Factors of 26 _____ , _____ , _____ , _____

Factors of 22 _____ , _____ , _____ , _____

9) 26 , 16

Factors of 26 _____ , _____ , _____ , _____

Factors of 16 _____ , _____ , _____ , _____ , _____

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



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1) 27, 45

Factors of 27 1 , 3 , 9 , 27

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

2) 30, 21

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

Factors of 21 1 , 3 , 7 , 21

3) 4, 10

Factors of 4 1 , 2 , 4

Factors of 10 1 , 2 , 5 , 10

4) 8, 45

Factors of 8 1 , 2 , 4 , 8

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

5) 27, 36

Factors of 27 1 , 3 , 9 , 27

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

6) 24, 12

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

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

7) 24, 6

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

Factors of 6 1 , 2 , 3 , 6

8) 26, 22

Factors of 26 1 , 2 , 13 , 26

Factors of 22 1 , 2 , 11 , 22

9) 26, 16

Factors of 26 1 , 2 , 13 , 26

Factors of 16 1 , 2 , 4 , 8 , 16

Answers

1. 9

2. 3

3. 2

4. 1

5. 9

6. 12

7. 6

8. 2

9. 2