



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) 12 , 18

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

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

2) 4 , 24

Factors of 4 _____ , _____ , _____

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

3) 18 , 9

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

Factors of 9 _____ , _____ , _____

4) 21 , 45

Factors of 21 _____ , _____ , _____ , _____

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

5) 20 , 2

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

Factors of 2 _____ , _____

6) 2 , 18

Factors of 2 _____ , _____

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

7) 21 , 15

Factors of 21 _____ , _____ , _____ , _____

Factors of 15 _____ , _____ , _____ , _____

8) 6 , 45

Factors of 6 _____ , _____ , _____ , _____

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

9) 24 , 20

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

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

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



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.

Answers

1) 12, 18

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

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

2) 4, 24

Factors of 4 1, 2, 4

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

3) 18, 9

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

Factors of 9 1, 3, 9

4) 21, 45

Factors of 21 1, 3, 7, 21

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

5) 20, 2

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

Factors of 2 1, 2

6) 2, 18

Factors of 2 1, 2

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

7) 21, 15

Factors of 21 1, 3, 7, 21

Factors of 15 1, 3, 5, 15

8) 6, 45

Factors of 6 1, 2, 3, 6

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

9) 24, 20

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

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

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