



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) 8, 6

Factors of 8 _____, _____, _____, _____

Factors of 6 _____, _____, _____, _____

2) 28, 10

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

Factors of 10 _____, _____, _____, _____

3) 12, 22

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

Factors of 22 _____, _____, _____, _____

4) 24, 18

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

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

5) 24, 20

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

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

6) 2, 30

Factors of 2 _____, _____

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

7) 22, 24

Factors of 22 _____, _____, _____, _____

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

8) 20, 42

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

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

9) 6, 22

Factors of 6 _____, _____, _____, _____

Factors of 22 _____, _____, _____, _____

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



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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) 8 , 6

Factors of 8 1 , 2 , 4 , 8

Factors of 6 1 , 2 , 3 , 6

2) 28 , 10

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

Factors of 10 1 , 2 , 5 , 10

3) 12 , 22

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

Factors of 22 1 , 2 , 11 , 22

4) 24 , 18

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

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

5) 24 , 20

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

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

6) 2 , 30

Factors of 2 1 , 2

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

7) 22 , 24

Factors of 22 1 , 2 , 11 , 22

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

8) 20 , 42

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

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

9) 6 , 22

Factors of 6 1 , 2 , 3 , 6

Factors of 22 1 , 2 , 11 , 22

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