



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. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

1) 18, 3

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

Factors of 3 _____, _____

2) 14, 26

Factors of 14 _____, _____, _____, _____

Factors of 26 _____, _____, _____, _____

3) 8, 20

Factors of 8 _____, _____, _____, _____

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

4) 33, 24

Factors of 33 _____, _____, _____, _____

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

5) 30, 6

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

Factors of 6 _____, _____, _____, _____

6) 30, 28

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

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

7) 20, 18

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

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

8) 6, 2

Factors of 6 _____, _____, _____, _____

Factors of 2 _____, _____

9) 16, 4

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

Factors of 4 _____, _____, _____



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Answers

1) 18 , 3

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

Factors of 3 1 , 3

2) 14 , 26

Factors of 14 1 , 2 , 7 , 14

Factors of 26 1 , 2 , 13 , 26

3) 8 , 20

Factors of 8 1 , 2 , 4 , 8

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

4) 33 , 24

Factors of 33 1 , 3 , 11 , 33

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

5) 30 , 6

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

Factors of 6 1 , 2 , 3 , 6

6) 30 , 28

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

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

7) 20 , 18

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

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

8) 6 , 2

Factors of 6 1 , 2 , 3 , 6

Factors of 2 1 , 2

9) 16 , 4

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

Factors of 4 1 , 2 , 4

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