

**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 , 12Factors 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 , 33

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

Factors of 33 _____ , _____ , _____ , _____

2) 22 , 8

Factors of 22 _____ , _____ , _____ , _____

Factors of 8 _____ , _____ , _____ , _____

3) 36 , 26

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

Factors of 26 _____ , _____ , _____ , _____

4) 24 , 6

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

Factors of 6 _____ , _____ , _____ , _____

5) 15 , 10

Factors of 15 _____ , _____ , _____ , _____

Factors of 10 _____ , _____ , _____ , _____

6) 14 , 12

Factors of 14 _____ , _____ , _____ , _____

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

7) 24 , 26

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

Factors of 26 _____ , _____ , _____ , _____

8) 24 , 2

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

Factors of 2 _____ , _____

9) 18 , 9

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

Factors of 9 _____ , _____ , _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____



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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, 33

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

Factors of 33 1, 3, 11, 33

2) 22, 8

Factors of 22 1, 2, 11, 22

Factors of 8 1, 2, 4, 8

3) 36, 26

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

Factors of 26 1, 2, 13, 26

4) 24, 6

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

Factors of 6 1, 2, 3, 6

5) 15, 10

Factors of 15 1, 3, 5, 15

Factors of 10 1, 2, 5, 10

6) 14, 12

Factors of 14 1, 2, 7, 14

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

7) 24, 26

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

Factors of 26 1, 2, 13, 26

8) 24, 2

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

Factors of 2 1, 2

9) 18, 9

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

Factors of 9 1, 3, 9

1. 3

2. 2

3. 2

4. 6

5. 5

6. 2

7. 2

8. 2

9. 9