Name: _____

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.

1. _____

2. _____

3. _____

1) 24 , 27

Factors of 24   ____ , ____ , ____ , ____ , ____ , ____ , ____ , ____

Factors of 27   ____ , ____ , ____ , ____

4. _____

2) 27 , 33

Factors of 27   ____ , ____ , ____ , ____

Factors of 33   ____ , ____ , ____ , ____

5. _____

6. _____

3) 6 , 10

Factors of 6   ____ , ____ , ____ , ____

Factors of 10   ____ , ____ , ____ , ____

7. _____

4) 18 , 42

Factors of 18   ____ , ____ , ____ , ____ , ____ , ____

Factors of 42   ____ , ____ , ____ , ____ , ____ , ____ , ____ , ____

8. _____

9. _____

5) 9 , 6

Factors of 9   ____ , ____ , ____

Factors of 6   ____ , ____ , ____ , ____

6) 22 , 10

Factors of 22   ____ , ____ , ____ , ____

Factors of 10   ____ , ____ , ____ , ____

7) 18 , 12

Factors of 18   ____ , ____ , ____ , ____ , ____ , ____

Factors of 12   ____ , ____ , ____ , ____ , ____ , ____

8) 2 , 26

Factors of 2   ____ , ____

Factors of 26   ____ , ____ , ____ , ____

9) 21 , 27

Factors of 21   ____ , ____ , ____ , ____

Factors of 27   ____ , ____ , ____ , ____

Math

| 1-9 | 89 | 78 | 67 | 56 | 44 | 33 | 22 | 11 | 0 |

Name: **Answer Key**

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) 24 , 27

Factors of 24 ___1_, _2_, _3_, _4_, _6_, _8_, _12_, _24_

Factors of 27 _1_, _3_, _9_, _27_

2) 27 , 33

Factors of 27 _1_, _3_, _9_, _27_

Factors of 33 _1_, _3_, _11_, _33_

3) 6 , 10

Factors of 6 _1_, _2_, _3_, _6_

Factors of 10 _1_, _2_, _5_, _10_

4) 18 , 42

Factors of 18 _1_, _2_, _3_, _6_, _9_, _18_

Factors of 42 _1_, _2_, _3_, _6_, _7_, _14_, _21_, _42_

5) 9 , 6

Factors of 9 _1_, _3_, _9_

Factors of 6 _1_, _2_, _3_, _6_

6) 22 , 10

Factors of 22 _1_, _2_, _11_, _22_

Factors of 10 _1_, _2_, _5_, _10_

7) 18 , 12

Factors of 18 _1_, _2_, _3_, _6_, _9_, _18_

Factors of 12 _1_, _2_, _3_, _4_, _6_, _12_

8) 2 , 26

Factors of 2 _1_, _2_

Factors of 26 _1_, _2_, _13_, _26_

9) 21 , 27

Factors of 21 _1_, _3_, _7_, _21_

Factors of 27 _1_, _3_, _9_, _27_

1. _____**3**_____

2. _____**3**_____

3. _____**2**_____

4. _____**6**_____

5. _____**3**_____

6. _____**2**_____

7. _____**6**_____

8. _____**2**_____

9. _____**3**_____