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. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

1) 2 , 30

Factors of 2   ____ , ____

Factors of 30   ____ , ____ , ____ , ____ , ____ , ____ , ____ , ____

2) 28 , 6

Factors of 28   ____ , ____ , ____ , ____ , ____ , ____

Factors of 6   ____ , ____ , ____ , ____

3) 15 , 6

Factors of 15   ____ , ____ , ____ , ____

Factors of 6   ____ , ____ , ____ , ____

4) 39 , 21

Factors of 39   ____ , ____ , ____ , ____

Factors of 21   ____ , ____ , ____ , ____

5) 12 , 20

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

Factors of 20   ____ , ____ , ____ , ____ , ____ , ____

6) 42 , 10

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

Factors of 10   ____ , ____ , ____ , ____

7) 4 , 9

Factors of 4   ____ , ____ , ____

Factors of 9   ____ , ____ , ____

8) 18 , 24

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

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

9) 12 , 18

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

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

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

Math

Name:

Determine the greatest common factor (GCF) of each set of numbers.

Answers

1. **2**

2. **2**

3. **3**

4. **3**

5. **4**

6. **2**

7. **1**

8. **6**

9. **6**

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 , 30

Factors of 2   1 , 2

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

2) 28 , 6

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

Factors of 6   1 , 2 , 3 , 6

3) 15 , 6

Factors of 15   1 , 3 , 5 , 15

Factors of 6   1 , 2 , 3 , 6

4) 39 , 21

Factors of 39   1 , 3 , 13 , 39

Factors of 21   1 , 3 , 7 , 21

5) 12 , 20

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

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

6) 42 , 10

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

Factors of 10   1 , 2 , 5 , 10

7) 4 , 9

Factors of 4   1 , 2 , 4

Factors of 9   1 , 3 , 9

8) 18 , 24

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

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

9) 12 , 18

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

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