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) 6 , 21

Factors of 6 ____ , ____ , ____ , ____

Factors of 21 ____ , ____ , ____ , ____

2) 2 , 8

Factors of 2 ____ , ____

Factors of 8 ____ , ____ , ____ , ____

3) 14 , 24

Factors of 14 ____ , ____ , ____ , ____

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

4) 24 , 45

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

Factors of 45 ____ , ____ , ____ , ____ , ____ , ____

5) 2 , 24

Factors of 2 ____ , ____

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

6) 10 , 15

Factors of 10 ____ , ____ , ____ , ____

Factors of 15 ____ , ____ , ____ , ____

7) 12 , 24

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

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

8) 8 , 36

Factors of 8 ____ , ____ , ____ , ____

Factors of 36 ____ , ____ , ____ , ____ , ____ , ____ , ____ , ____ , ____

9) 12 , 33

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

Factors of 33 ____ , ____ , ____ , ____

Answers

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

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

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) 6 , 21

Factors of 6 1 , 2 , 3 , 6

Factors of 21 1 , 3 , 7 , 21

2) 2 , 8

Factors of 2 1 , 2

Factors of 8 1 , 2 , 4 , 8

3) 14 , 24

Factors of 14 1 , 2 , 7 , 14

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

4) 24 , 45

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

Factors of 45 1 , 3 , 5 , 9 , 15 , 45

5) 2 , 24

Factors of 2 1 , 2

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

6) 10 , 15

Factors of 10 1 , 2 , 5 , 10

Factors of 15 1 , 3 , 5 , 15

7) 12 , 24

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

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

8) 8 , 36

Factors of 8 1 , 2 , 4 , 8

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

9) 12 , 33

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

Factors of 33 1 , 3 , 11 , 33

Answers

1. 3
2. 2
3. 2
4. 3
5. 2
6. 5
7. 12
8. 4
9. 3

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