



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

**Answers**

12, 16 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) 9, 12

Factors of 9 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Factors of 12 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

2) 20, 22

Factors of 20 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Factors of 22 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

3) 45, 18

Factors of 45 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Factors of 18 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

4) 6, 24

Factors of 6 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Factors of 24 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

5) 16, 36

Factors of 16 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Factors of 36 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

6) 6, 3

Factors of 6 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Factors of 3 \_\_\_\_\_, \_\_\_\_\_

7) 27, 30

Factors of 27 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Factors of 30 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

8) 20, 6

Factors of 20 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Factors of 6 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

9) 26, 30

Factors of 26 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Factors of 30 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_



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

Answers

12, 16 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) 9, 12

Factors of 9 1, 3, 9

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

2) 20, 22

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

Factors of 22 1, 2, 11, 22

3) 45, 18

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

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

4) 6, 24

Factors of 6 1, 2, 3, 6

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

5) 16, 36

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

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

6) 6, 3

Factors of 6 1, 2, 3, 6

Factors of 3 1, 3

7) 27, 30

Factors of 27 1, 3, 9, 27

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

8) 20, 6

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

Factors of 6 1, 2, 3, 6

9) 26, 30

Factors of 26 1, 2, 13, 26

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

1. 3

2. 2

3. 9

4. 6

5. 4

6. 3

7. 3

8. 2

9. 2