



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) 24, 39

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

Factors of 39 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

2) 42, 39

Factors of 42 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Factors of 39 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

3) 6, 24

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

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

4) 12, 30

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

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

5) 30, 33

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

Factors of 33 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

6) 12, 6

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

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

7) 27, 30

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

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

8) 45, 18

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

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

9) 45, 9

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

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



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2 & 4 are factors both 12 and 16 have in common, with 4 being the greatest. So **4** is the GCF.

Answers

1) 24, 39

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

Factors of 39 1, 3, 13, 39

2) 42, 39

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

Factors of 39 1, 3, 13, 39

3) 6, 24

Factors of 6 1, 2, 3, 6

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

4) 12, 30

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

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

5) 30, 33

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

Factors of 33 1, 3, 11, 33

6) 12, 6

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

Factors of 6 1, 2, 3, 6

7) 27, 30

Factors of 27 1, 3, 9, 27

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

8) 45, 18

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

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

9) 45, 9

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

Factors of 9 1, 3, 9

1. 3

2. 3

3. 6

4. 6

5. 3

6. 6

7. 3

8. 9

9. 9