

Name:

Greatest Common Factor

List the factors of the numbers in each set and determine the greatest common factor (GCF). One is done for you.

① 75, 15

Factors of 75 are 1, 3, 5 15, 25, 75

Factors of 15 are 1, 3, 5 15

GCF = 15

② 48, 76

Factors of 48 are _____, _____, _____, _____, _____, _____, _____, _____, _____, _____

Factors of 76 are _____, _____, _____, _____, _____, _____

GCF =

③ 33, 27

Factors of 33 are _____, _____, _____, _____

Factors of 27 are _____, _____, _____, _____

GCF =

④ 36, 52

Factors of 36 are _____, _____, _____, _____, _____, _____, _____, _____, _____, _____

Factors of 52 are _____, _____, _____, _____, _____, _____

GCF =

⑤ 42, 70

Factors of 42 are _____, _____, _____, _____, _____, _____, _____, _____

Factors of 70 are _____, _____, _____, _____, _____, _____, _____, _____

GCF =

⑥ 28, 12

Factors of 28 are _____, _____, _____, _____, _____, _____

Factors of 12 are _____, _____, _____, _____, _____, _____

GCF =

Name:

Greatest Common Factor

Answers

① 75, 15

Factors of 75 are 1, 3, 5, 15, 25, 75

Factors of 15 are 1, 3, 5, 15

GCF = 15

② 48, 76

Factors of 48 are 1, 2, 3, 4, 6, 8, 12, 16, 24, 48

Factors of 76 are 1, 2, 4, 19, 38, 76

GCF = 4

③ 33, 27

Factors of 33 are 1, 3, 11, 33

Factors of 27 are 1, 3, 9, 27

GCF = 3

④ 36, 52

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

Factors of 52 are 1, 2, 4, 13, 26, 52

GCF = 4

⑤ 42, 70

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

Factors of 70 are 1, 2, 5, 7, 10, 14, 35, 70

GCF = 14

⑥ 28, 12

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

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

GCF = 4