

Name: _____



GED Skill: Understand Factors and Factoring

Find all the factors and identify the greatest common factor for the following numbers.

A factor of a number is any whole number that divides into it evenly.

Example: The factors of 12 are 1, 2, 3, 4, 6, and 12. The factors of 30 are 1, 2, 3, 5, 6, 10, 15, and 30. The greatest common factor is the largest number that is a factor of each. The greatest common factor of 12 and 30 is 6.

#	FACTORS	GCF
① 36 12	1, 2, 3, 4, 6, 9, 12, 18, 36 1, 2, 3, 4, 6, 12	12
② 38 42	1, 2, 19, 38 1, 2, 3, 6, 7, 14, 21, 42	2
③ 27 18	1, 3, 9, 27 1, 2, 3, 6, 9, 18	9
④ 32 20	1, 2, 4, 8, 16, 32 1, 2, 4, 5, 10, 20	4
⑤ 32 48	1, 2, 4, 8, 16, 32 1, 2, 3, 4, 6, 8, 12, 16, 24, 48	16
⑥ 50 24	1, 2, 5, 10, 25, 50 1, 2, 3, 4, 6, 8, 12, 24	2
⑦ 44 16	1, 2, 4, 11, 22, 44 1, 2, 4, 8, 16	4
⑧ 32 40	1, 2, 4, 8, 16, 32 1, 2, 4, 5, 8, 10, 20, 40	8
⑨ 49 14	1, 7, 49 1, 2, 7, 14	7
⑩ 64 28	1, 2, 4, 8, 16, 32, 64 1, 2, 4, 7, 14, 28	4