

Greatest Common Factor (F)

Name: _____

Date: _____

List the factors of each number in each set and determine the greatest common factor.

Example. 40: (1), (2), (4), 5, (8), 10, 20, 40

168: (1), (2), 3, (4), 6, 7, (8), 12, 14, 21, 24, 28, 42, 56, 84, 168

GCF = 8

a) 280

105

b) 64

28

c) 276

372

d) 180

256

e) 216

128

Greatest Common Factor (F) Answers

Name: _____

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List the factors of each number in each set and determine the greatest common factor.

Example. 40: (1), (2), (4), 5, (8), 10, 20, 40

168: (1), (2), 3, (4), 6, 7, (8), 12, 14, 21, 24, 28, 42, 56, 84, 168

GCF = 8

a) 280: (1), 2, 4, (5), (7), 8, 10, 14, 20, 28, (35), 40, 56, 70, 140, 280

105: (1), 3, (5), (7), 15, 21, (35), 105

GCF = 35

b) 64: (1), (2), (4), 8, 16, 32, 64

28: (1), (2), (4), 7, 14, 28

GCF = 4

c) 276: (1), (2), (3), (4), (6), (12), 23, 46, 69, 92, 138, 276

372: (1), (2), (3), (4), (6), (12), 31, 62, 93, 124, 186, 372

GCF = 12

d) 180: (1), (2), 3, (4), 5, 6, 9, 10, 12, 15, 18, 20, 30, 36, 45, 60, 90, 180

256: (1), (2), (4), 8, 16, 32, 64, 128, 256

GCF = 4

e) 216: (1), (2), 3, (4), 6, (8), 9, 12, 18, 24, 27, 36, 54, 72, 108, 216

128: (1), (2), (4), (8), 16, 32, 64, 128

GCF = 8