

Greatest Common Factor (J)

Name: _____

Date: _____

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

Example. 272: (1), (2), (4), 8, 16, 17, 34, 68, 136, 272

236: (1), (2), (4), 59, 118, 236

GCF = 4

a) 16

4

b) 392

216

c) 297

363

d) 119

238

e) 140

180

Greatest Common Factor (J) Answers

Name: _____

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

Example. 272: (1), (2), (4), 8, 16, 17, 34, 68, 136, 272

236: (1), (2), (4), 59, 118, 236

GCF = 4

a) 16: (1), (2), (4), 8, 16

4: (1), (2), (4)

GCF = 4

b) 392: (1), (2), (4), 7, (8), 14, 28, 49, 56, 98, 196, 392

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

GCF = 8

c) 297: (1), (3), 9, (11), 27, (33), 99, 297

363: (1), (3), (11), (33), 121, 363

GCF = 33

d) 119: (1), (7), (17), (119)

238: (1), 2, (7), 14, (17), 34, (119), 238

GCF = 119

e) 140: (1), (2), (4), (5), 7, (10), 14, (20), 28, 35, 70, 140

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

GCF = 20