

Greatest Common Factor (J)

Name: _____

Date: _____

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

Example. 132: ①, 2, ③, 4, 6, ⑪, 12, 22, ③③, 44, 66, 132

165: ①, ③, 5, ⑪, 15, ③③, 55, 165

GCF = 33

a) 186

120

b) 152

188

c) 186

150

d) 117

195

e) 196

168

Greatest Common Factor (J) Answers

Name: _____

Date: _____

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

Example. 132: (1), 2, (3), 4, 6, (11), 12, 22, (33), 44, 66, 132

165: (1), (3), 5, (11), 15, (33), 55, 165

GCF = 33

a) 186: (1), (2), (3), (6), 31, 62, 93, 186

120: (1), (2), (3), 4, 5, (6), 8, 10, 12, 15, 20, 24, 30, 40, 60, 120

GCF = 6

b) 152: (1), (2), (4), 8, 19, 38, 76, 152

188: (1), (2), (4), 47, 94, 188

GCF = 4

c) 186: (1), (2), (3), (6), 31, 62, 93, 186

150: (1), (2), (3), 5, (6), 10, 15, 25, 30, 50, 75, 150

GCF = 6

d) 117: (1), (3), 9, (13), (39), 117

195: (1), (3), 5, (13), 15, (39), 65, 195

GCF = 39

e) 196: (1), (2), (4), (7), (14), (28), 49, 98, 196

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

GCF = 28