

Greatest Common Factor (D)

Name: _____

Date: _____

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

Example. 300: ①, ②, ③, 4, 5, ⑥, 10, 12, 15, 20, 25, 30, 50, 60, 75, 100, 150, 300

222: ①, ②, ③, ⑥, 37, 74, 111, 222

GCF = 6

a) 268

272

b) 222

294

c) 220

300

d) 216

318

e) 256

312

Greatest Common Factor (D) Answers

Name: _____

Date: _____

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

Example. 300: (1), (2), (3), 4, 5, (6), 10, 12, 15, 20, 25, 30, 50, 60, 75, 100, 150, 300

222: (1), (2), (3), (6), 37, 74, 111, 222

GCF = 6

a) 268: (1), (2), (4), 67, 134, 268

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

GCF = 4

b) 222: (1), (2), (3), (6), 37, 74, 111, 222

294: (1), (2), (3), (6), 7, 14, 21, 42, 49, 98, 147, 294

GCF = 6

c) 220: (1), (2), (4), (5), (10), 11, (20), 22, 44, 55, 110, 220

300: (1), (2), 3, (4), (5), 6, (10), 12, 15, (20), 25, 30, 50, 60, 75, 100, 150, 300

GCF = 20

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

318: (1), (2), (3), (6), 53, 106, 159, 318

GCF = 6

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

312: (1), (2), 3, (4), 6, (8), 12, 13, 24, 26, 39, 52, 78, 104, 156, 312

GCF = 8