

Greatest Common Factor (C)

Name: _____

Date: _____

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

Example. 261: (1), (3), (9), 29, 87, 261

342: (1), 2, (3), 6, (9), 18, 19, 38, 57, 114, 171, 342

GCF = 9

a) 400

368

b) 320

280

c) 306

207

d) 360

352

e) 210

270

Greatest Common Factor (C) Answers

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

Example. 261: (1), (3), (9), 29, 87, 261

342: (1), 2, (3), 6, (9), 18, 19, 38, 57, 114, 171, 342

GCF = 9

a) 400: (1), (2), (4), 5, (8), 10, (16), 20, 25, 40, 50, 80, 100, 200, 400

368: (1), (2), (4), (8), (16), 23, 46, 92, 184, 368

GCF = 16

b) 320: (1), (2), (4), (5), (8), (10), 16, (20), 32, (40), 64, 80, 160, 320

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

GCF = 40

c) 306: (1), 2, (3), 6, (9), 17, 18, 34, 51, 102, 153, 306

207: (1), (3), (9), 23, 69, 207

GCF = 9

d) 360: (1), (2), 3, (4), 5, 6, (8), 9, 10, 12, 15, 18, 20, 24, 30, 36, 40, 45, 60, 72, 90, 120, 180, 360

352: (1), (2), (4), (8), 11, 16, 22, 32, 44, 88, 176, 352

GCF = 8

e) 210: (1), (2), (3), (5), (6), 7, (10), 14, (15), 21, (30), 35, 42, 70, 105, 210

270: (1), (2), (3), (5), (6), 9, (10), (15), 18, 27, (30), 45, 54, 90, 135, 270

GCF = 30