

Greatest Common Factor (A)

Name: _____

Date: _____

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

Example. 252: (1), (2), (3), (4), (6), 7, 9, (12), 14, 18, 21, 28, 36, 42, 63, 84, 126, 252

192: (1), (2), (3), (4), (6), 8, (12), 16, 24, 32, 48, 64, 96, 192

GCF = 12

a) 246

369

b) 387

9

c) 345

285

d) 350

290

e) 15

375

Greatest Common Factor (A) Answers

Name: _____

Date: _____

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

Example. 252: (1), (2), (3), (4), (6), 7, 9, (12), 14, 18, 21, 28, 36, 42, 63, 84, 126, 252

192: (1), (2), (3), (4), (6), 8, (12), 16, 24, 32, 48, 64, 96, 192

GCF = 12

a) 246: (1), 2, (3), 6, (41), 82, (123), 246

369: (1), (3), 9, (41), (123), 369

GCF = 123

b) 387: (1), (3), (9), 43, 129, 387

9: (1), (3), (9)

GCF = 9

c) 345: (1), (3), (5), (15), 23, 69, 115, 345

285: (1), (3), (5), (15), 19, 57, 95, 285

GCF = 15

d) 350: (1), (2), (5), 7, (10), 14, 25, 35, 50, 70, 175, 350

290: (1), (2), (5), (10), 29, 58, 145, 290

GCF = 10

e) 15: (1), (3), (5), (15)

375: (1), (3), (5), (15), 25, 75, 125, 375

GCF = 15

Greatest Common Factor (B)

Name: _____

Date: _____

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

Example. 56: (1), (2), (4), 7, (8), 14, 28, 56

288: (1), (2), 3, (4), 6, (8), 9, 12, 16, 18, 24, 32, 36, 48, 72, 96, 144, 288

GCF = 8

a) 198

384

b) 124

204

c) 400

260

d) 364

384

e) 232

400

Greatest Common Factor (B) Answers

Name: _____

Date: _____

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

Example. 56: (1), (2), (4), 7, (8), 14, 28, 56

288: (1), (2), 3, (4), 6, (8), 9, 12, 16, 18, 24, 32, 36, 48, 72, 96, 144, 288

GCF = 8

a) 198: (1), (2), (3), (6), 9, 11, 18, 22, 33, 66, 99, 198

384: (1), (2), (3), 4, (6), 8, 12, 16, 24, 32, 48, 64, 96, 128, 192, 384

GCF = 6

b) 124: (1), (2), (4), 31, 62, 124

204: (1), (2), 3, (4), 6, 12, 17, 34, 51, 68, 102, 204

GCF = 4

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

260: (1), (2), (4), (5), (10), 13, (20), 26, 52, 65, 130, 260

GCF = 20

d) 364: (1), (2), (4), 7, 13, 14, 26, 28, 52, 91, 182, 364

384: (1), (2), 3, (4), 6, 8, 12, 16, 24, 32, 48, 64, 96, 128, 192, 384

GCF = 4

e) 232: (1), (2), (4), (8), 29, 58, 116, 232

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

GCF = 8

Greatest Common Factor (C)

Name: _____

Date: _____

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

Example. 114: ①, ②, ③, ⑥, 19, 38, 57, 114

138: ①, ②, ③, ⑥, 23, 46, 69, 138

GCF = 6

a) 186

222

b) 200

190

c) 132

140

d) 168

344

e) 170

238

Greatest Common Factor (C) Answers

Name: _____

Date: _____

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

Example. 114: (1), (2), (3), (6), 19, 38, 57, 114

138: (1), (2), (3), (6), 23, 46, 69, 138

GCF = 6

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

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

GCF = 6

b) 200: (1), (2), 4, (5), 8, (10), 20, 25, 40, 50, 100, 200

190: (1), (2), (5), (10), 19, 38, 95, 190

GCF = 10

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

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

GCF = 4

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

344: (1), (2), (4), (8), 43, 86, 172, 344

GCF = 8

e) 170: (1), (2), 5, 10, (17), (34), 85, 170

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

GCF = 34

Greatest Common Factor (D)

Name: _____

Date: _____

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

Example. 174: ①, ②, ③, ⑥, 29, 58, 87, 174

90: ①, ②, ③, 5, ⑥, 9, 10, 15, 18, 30, 45, 90

GCF = 6

a) 328

256

b) 136

368

c) 236

88

d) 42

56

e) 126

154

Greatest Common Factor (D) Answers

Name: _____

Date: _____

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

Example. 174: (1), (2), (3), (6), 29, 58, 87, 174

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

GCF = 6

a) 328: (1), (2), (4), (8), 41, 82, 164, 328

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

GCF = 8

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

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

GCF = 8

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

88: (1), (2), (4), 8, 11, 22, 44, 88

GCF = 4

d) 42: (1), (2), 3, 6, (7), (14), 21, 42

56: (1), (2), 4, (7), 8, (14), 28, 56

GCF = 14

e) 126: (1), (2), 3, 6, (7), 9, (14), 18, 21, 42, 63, 126

154: (1), (2), (7), 11, (14), 22, 77, 154

GCF = 14

Greatest Common Factor (E)

Name: _____

Date: _____

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

Example. 308: (1), (2), (4), 7, (11), 14, (22), 28, (44), 77, 154, 308

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

GCF = 44

a) 20

376

b) 68

392

c) 96

328

d) 114

78

e) 128

92

Greatest Common Factor (E) Answers

Name: _____

Date: _____

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

Example. 308: (1), (2), (4), 7, (11), 14, (22), 28, (44), 77, 154, 308

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

GCF = 44

a) 20: (1), (2), (4), 5, 10, 20

376: (1), (2), (4), 8, 47, 94, 188, 376

GCF = 4

b) 68: (1), (2), (4), 17, 34, 68

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

GCF = 4

c) 96: (1), (2), 3, (4), 6, (8), 12, 16, 24, 32, 48, 96

328: (1), (2), (4), (8), 41, 82, 164, 328

GCF = 8

d) 114: (1), (2), (3), (6), 19, 38, 57, 114

78: (1), (2), (3), (6), 13, 26, 39, 78

GCF = 6

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

92: (1), (2), (4), 23, 46, 92

GCF = 4

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: _____

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: (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

Greatest Common Factor (G)

Name: _____

Date: _____

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

Example. 286: (1), (2), 11, (13), 22, (26), 143, 286

130: (1), (2), 5, 10, (13), (26), 65, 130

GCF = 26

a) 246

318

b) 104

172

c) 75

330

d) 256

132

e) 190

10

Greatest Common Factor (G) Answers

Name: _____

Date: _____

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

Example. 286: (1), (2), 11, (13), 22, (26), 143, 286

130: (1), (2), 5, 10, (13), (26), 65, 130

GCF = 26

a) 246: (1), (2), (3), (6), 41, 82, 123, 246

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

GCF = 6

b) 104: (1), (2), (4), 8, 13, 26, 52, 104

172: (1), (2), (4), 43, 86, 172

GCF = 4

c) 75: (1), (3), (5), (15), 25, 75

330: (1), 2, (3), (5), 6, 10, 11, (15), 22, 30, 33, 55, 66, 110, 165, 330

GCF = 15

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

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

GCF = 4

e) 190: (1), (2), (5), (10), 19, 38, 95, 190

10: (1), (2), (5), (10)

GCF = 10

Greatest Common Factor (H)

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

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

GCF = 4

a) 18

396

b) 250

340

c) 40

130

d) 56

350

e) 244

400

Greatest Common Factor (H) 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

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

GCF = 4

a) 18: (1), (2), (3), (6), (9), (18)

396: (1), (2), (3), 4, (6), (9), 11, 12, (18), 22, 33, 36, 44, 66, 99, 132, 198, 396

GCF = 18

b) 250: (1), (2), (5), (10), 25, 50, 125, 250

340: (1), (2), 4, (5), (10), 17, 20, 34, 68, 85, 170, 340

GCF = 10

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

130: (1), (2), (5), (10), 13, 26, 65, 130

GCF = 10

d) 56: (1), (2), 4, (7), 8, (14), 28, 56

350: (1), (2), 5, (7), 10, (14), 25, 35, 50, 70, 175, 350

GCF = 14

e) 244: (1), (2), (4), 61, 122, 244

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

GCF = 4

Greatest Common Factor (I)

Name: _____

Date: _____

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

Example. 264: (1), (2), 3, (4), 6, (8), 11, 12, 22, 24, 33, 44, 66, 88, 132, 264

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

GCF = 8

a) 132

316

b) 90

320

c) 284

192

d) 288

160

e) 320

148

Greatest Common Factor (I) Answers

Name: _____

Date: _____

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

Example. 264: (1), (2), 3, (4), 6, (8), 11, 12, 22, 24, 33, 44, 66, 88, 132, 264

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

GCF = 8

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

316: (1), (2), (4), 79, 158, 316

GCF = 4

b) 90: (1), (2), 3, (5), 6, 9, (10), 15, 18, 30, 45, 90

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

GCF = 10

c) 284: (1), (2), (4), 71, 142, 284

192: (1), (2), 3, (4), 6, 8, 12, 16, 24, 32, 48, 64, 96, 192

GCF = 4

d) 288: (1), (2), 3, (4), 6, (8), 9, 12, (16), 18, 24, (32), 36, 48, 72, 96, 144, 288

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

GCF = 32

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

148: (1), (2), (4), 37, 74, 148

GCF = 4

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: _____

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: (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