

# Greatest Common Factor (A)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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

Example. 370: (1), (2), (5), (10), 37, 74, 185, 370

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

GCF = 10

a) 208

300

b) 357

273

c) 284

224

d) 308

244

e) 396

279

# Greatest Common Factor (A) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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

Example. 370: (1), (2), (5), (10), 37, 74, 185, 370

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

**GCF = 10**

a) 208: (1), (2), (4), 8, 13, 16, 26, 52, 104, 208

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

**GCF = 4**

b) 357: (1), (3), (7), 17, (21), 51, 119, 357

273: (1), (3), (7), 13, (21), 39, 91, 273

**GCF = 21**

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

224: (1), (2), (4), 7, 8, 14, 16, 28, 32, 56, 112, 224

**GCF = 4**

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

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

**GCF = 4**

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

279: (1), (3), (9), 31, 93, 279

**GCF = 9**

# Greatest Common Factor (B)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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

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

279: ①, ③, ⑨, 31, 93, 279

GCF = 9

a) 384

260

b) 324

369

c) 344

304

d) 392

368

e) 322

210

# Greatest Common Factor (B) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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

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

279: (1), (3), (9), 31, 93, 279

**GCF = 9**

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

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

**GCF = 4**

b) 324: (1), 2, (3), 4, 6, (9), 12, 18, 27, 36, 54, 81, 108, 162, 324

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

**GCF = 9**

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

304: (1), (2), (4), (8), 16, 19, 38, 76, 152, 304

**GCF = 8**

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

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

**GCF = 8**

e) 322: (1), (2), (7), (14), 23, 46, 161, 322

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

**GCF = 14**

# 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

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: (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**

# 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, ②①, 22, 44, 55, 110, 220

300: ①, ②, 3, ④, ⑤, 6, ⑩, 12, 15, ②①, 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**



# Greatest Common Factor (E)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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

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

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

GCF = 16

a) 380

292

b) 230

390

c) 272

236

d) 366

384

e) 312

360

# Greatest Common Factor (E) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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

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

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

**GCF = 16**

a) 380: (1), (2), (4), 5, 10, 19, 20, 38, 76, 95, 190, 380

292: (1), (2), (4), 73, 146, 292

**GCF = 4**

b) 230: (1), (2), (5), (10), 23, 46, 115, 230

390: (1), (2), 3, (5), 6, (10), 13, 15, 26, 30, 39, 65, 78, 130, 195, 390

**GCF = 10**

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

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

**GCF = 4**

d) 366: (1), (2), (3), (6), 61, 122, 183, 366

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

**GCF = 6**

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

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

**GCF = 24**

# Greatest Common Factor (F)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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

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

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

GCF = 4

a) 352

332

b) 266

210

c) 216

336

d) 316

228

e) 286

234

# Greatest Common Factor (F) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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

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

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

**GCF = 4**

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

332: (1), (2), (4), 83, 166, 332

**GCF = 4**

b) 266: (1), (2), (7), (14), 19, 38, 133, 266

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

**GCF = 14**

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

336: (1), (2), (3), (4), (6), 7, (8), (12), 14, 16, 21, (24), 28, 42, 48, 56, 84, 112, 168, 336

**GCF = 24**

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

228: (1), (2), 3, (4), 6, 12, 19, 38, 57, 76, 114, 228

**GCF = 4**

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

234: (1), (2), 3, 6, 9, (13), 18, (26), 39, 78, 117, 234

**GCF = 26**

# Greatest Common Factor (G)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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

Example. 336: ①, ②, ③, ④, ⑥, 7, 8, ⑫, 14, 16, 21, 24, 28, 42, 48, 56, 84, 112, 168, 336

324: ①, ②, ③, ④, ⑥, 9, ⑫, 18, 27, 36, 54, 81, 108, 162, 324

GCF = 12

a) 244

366

b) 264

231

c) 312

268

d) 238

252

e) 200

388

# Greatest Common Factor (G) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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

Example. 336: ①, ②, ③, ④, ⑥, 7, 8, ⑫, 14, 16, 21, 24, 28, 42, 48, 56, 84, 112, 168, 336

324: ①, ②, ③, ④, ⑥, 9, ⑫, 18, 27, 36, 54, 81, 108, 162, 324

**GCF = 12**

a) 244: ①, ②, 4, ⑥①, ⑫②, 244

366: ①, ②, 3, 6, ⑥①, ⑫②, 183, 366

**GCF = 122**

b) 264: ①, 2, ③, 4, 6, 8, ⑪①, 12, 22, 24, ③③, 44, 66, 88, 132, 264

231: ①, ③, 7, ⑪①, 21, ③③, 77, 231

**GCF = 33**

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

268: ①, ②, ④, 67, 134, 268

**GCF = 4**

d) 238: ①, ②, ⑦, ⑭④, 17, 34, 119, 238

252: ①, ②, 3, 4, 6, ⑦, 9, 12, ⑭④, 18, 21, 28, 36, 42, 63, 84, 126, 252

**GCF = 14**

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

388: ①, ②, ④, 97, 194, 388

**GCF = 4**

# Greatest Common Factor (H)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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

Example. 372: ①, ②, 3, ④, 6, 12, 31, 62, 93, 124, 186, 372

316: ①, ②, ④, 79, 158, 316

GCF = 4

a) 216

200

b) 207

387

c) 324

378

d) 392

372

e) 396

372

# Greatest Common Factor (H) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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

Example. 372: (1), (2), 3, (4), 6, 12, 31, 62, 93, 124, 186, 372

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

**GCF = 4**

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

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

**GCF = 8**

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

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

**GCF = 9**

c) 324: (1), (2), (3), 4, (6), (9), 12, (18), (27), 36, (54), 81, 108, 162, 324

378: (1), (2), (3), (6), 7, (9), 14, (18), 21, (27), 42, (54), 63, 126, 189, 378

**GCF = 54**

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

372: (1), (2), 3, (4), 6, 12, 31, 62, 93, 124, 186, 372

**GCF = 4**

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

372: (1), (2), (3), (4), (6), (12), 31, 62, 93, 124, 186, 372

**GCF = 12**



# Greatest Common Factor (I)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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

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

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

GCF = 8

a) 300

325

b) 236

344

c) 250

275

d) 280

292

e) 224

328

# Greatest Common Factor (I) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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

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

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

**GCF = 8**

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

325: (1), (5), 13, (25), 65, 325

**GCF = 25**

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

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

**GCF = 4**

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

275: (1), (5), 11, (25), 55, 275

**GCF = 25**

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

292: (1), (2), (4), 73, 146, 292

**GCF = 4**

e) 224: (1), (2), (4), 7, (8), 14, 16, 28, 32, 56, 112, 224

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

**GCF = 8**

# Greatest Common Factor (J)

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

279: ①, ③, ⑨, 31, 93, 279

GCF = 9

a) 268

248

b) 280

310

c) 372

336

d) 252

340

e) 276

280

# Greatest Common Factor (J) 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

279: (1), (3), (9), 31, 93, 279

**GCF = 9**

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

248: (1), (2), (4), 8, 31, 62, 124, 248

**GCF = 4**

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

310: (1), (2), (5), (10), 31, 62, 155, 310

**GCF = 10**

c) 372: (1), (2), (3), (4), (6), (12), 31, 62, 93, 124, 186, 372

336: (1), (2), (3), (4), (6), 7, 8, (12), 14, 16, 21, 24, 28, 42, 48, 56, 84, 112, 168, 336

**GCF = 12**

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

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

**GCF = 4**

e) 276: (1), (2), 3, (4), 6, 12, 23, 46, 69, 92, 138, 276

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

**GCF = 4**