



Grade 5

Factoring Numbers: Greatest Common Factor

Directions: Write the prime factorization of each number. Then determine the greatest common factor.

| Number | Prime Factorization | Greatest Common Factor |
|-----------|---------------------|------------------------|
| 12 | | |
| 18 | | |
| 24 | | |
| 30 | | |
| 36 | | |
| 42 | | |
| 48 | | |
| 54 | | |
| 60 | | |
| 72 | | |
| 84 | | |
| 96 | | |
| 108 | | |
| 120 | | |
| 144 | | |
| 168 | | |
| 180 | | |
| 216 | | |
| 240 | | |
| 288 | | |
| 360 | | |
| 432 | | |
| 504 | | |
| 576 | | |
| 648 | | |
| 720 | | |
| 864 | | |
| 1008 | | |
| 1152 | | |
| 1296 | | |
| 1440 | | |
| 1728 | | |
| 2160 | | |
| 2592 | | |
| 3456 | | |
| 4320 | | |
| 5184 | | |
| 6144 | | |
| 7200 | | |
| 8292 | | |
| 9440 | | |
| 10584 | | |
| 12768 | | |
| 15120 | | |
| 17664 | | |
| 21504 | | |
| 25824 | | |
| 30720 | | |
| 37344 | | |
| 44736 | | |
| 54000 | | |
| 64320 | | |
| 75840 | | |
| 88704 | | |
| 103680 | | |
| 120864 | | |
| 140736 | | |
| 163584 | | |
| 189720 | | |
| 219648 | | |
| 253824 | | |
| 292704 | | |
| 336720 | | |
| 386304 | | |
| 441984 | | |
| 504240 | | |
| 573504 | | |
| 649200 | | |
| 731856 | | |
| 822000 | | |
| 919200 | | |
| 1024000 | | |
| 1136800 | | |
| 1258200 | | |
| 1388800 | | |
| 1528200 | | |
| 1677000 | | |
| 1834800 | | |
| 1992000 | | |
| 2158200 | | |
| 2334000 | | |
| 2518800 | | |
| 2713200 | | |
| 2916800 | | |
| 3130200 | | |
| 3354000 | | |
| 3586800 | | |
| 3829200 | | |
| 4081800 | | |
| 4344000 | | |
| 4616400 | | |
| 4898400 | | |
| 5190600 | | |
| 5493600 | | |
| 5807000 | | |
| 6131400 | | |
| 6467400 | | |
| 6814800 | | |
| 7173200 | | |
| 7543200 | | |
| 7924400 | | |
| 8316400 | | |
| 8720000 | | |
| 9135800 | | |
| 9563400 | | |
| 10003400 | | |
| 10455400 | | |
| 10919200 | | |
| 11394400 | | |
| 11880800 | | |
| 12379200 | | |
| 12889400 | | |
| 13401200 | | |
| 13924400 | | |
| 14458800 | | |
| 15004200 | | |
| 15560400 | | |
| 16128200 | | |
| 16707400 | | |
| 17297800 | | |
| 17899200 | | |
| 18511400 | | |
| 19135200 | | |
| 19770400 | | |
| 20416800 | | |
| 21074200 | | |
| 21742400 | | |
| 22421200 | | |
| 23111400 | | |
| 23812800 | | |
| 24525200 | | |
| 25248400 | | |
| 25982200 | | |
| 26726400 | | |
| 27480800 | | |
| 28245200 | | |
| 29019400 | | |
| 29803200 | | |
| 30596400 | | |
| 31400000 | | |
| 32213800 | | |
| 33037600 | | |
| 33871200 | | |
| 34714400 | | |
| 35567000 | | |
| 36428800 | | |
| 37299600 | | |
| 38179200 | | |
| 39067400 | | |
| 39964000 | | |
| 40868800 | | |
| 41781600 | | |
| 42702200 | | |
| 43630400 | | |
| 44566000 | | |
| 45508800 | | |
| 46458600 | | |
| 47415200 | | |
| 48378400 | | |
| 49348000 | | |
| 50323800 | | |
| 51305600 | | |
| 52293200 | | |
| 53286400 | | |
| 54285000 | | |
| 55288800 | | |
| 56297600 | | |
| 57311400 | | |
| 58330000 | | |
| 59353200 | | |
| 60381000 | | |
| 61413200 | | |
| 62450000 | | |
| 63491200 | | |
| 64536600 | | |
| 65586000 | | |
| 66639200 | | |
| 67696000 | | |
| 68756200 | | |
| 69819600 | | |
| 70886000 | | |
| 71955200 | | |
| 73027000 | | |
| 74101200 | | |
| 75177800 | | |
| 76256600 | | |
| 77337600 | | |
| 78420600 | | |
| 79505400 | | |
| 80591800 | | |
| 81680000 | | |
| 82769800 | | |
| 83861000 | | |
| 84953600 | | |
| 86047400 | | |
| 87142200 | | |
| 88238000 | | |
| 89334600 | | |
| 90432000 | | |
| 91530000 | | |
| 92628400 | | |
| 93727200 | | |
| 94827200 | | |
| 95928200 | | |
| 97029200 | | |
| 98130200 | | |
| 99231200 | | |
| 100332000 | | |
| 101432800 | | |
| 102533600 | | |
| 103634400 | | |
| 104735200 | | |
| 105836000 | | |
| 106936800 | | |
| 108037600 | | |
| 109138400 | | |
| 110239200 | | |
| 111339600 | | |
| 112439600 | | |
| 113539600 | | |
| 114639600 | | |
| 115739600 | | |
| 116839600 | | |
| 117939600 | | |
| 119039600 | | |
| 120139600 | | |
| 121239600 | | |
| 122339600 | | |
| 123439600 | | |
| 124539600 | | |
| 125639600 | | |
| 126739600 | | |
| 127839600 | | |
| 128939600 | | |
| 130039600 | | |
| 131139600 | | |
| 132239600 | | |
| 133339600 | | |
| 134439600 | | |
| 135539600 | | |
| 136639600 | | |
| 137739600 | | |
| 138839600 | | |
| 139939600 | | |
| 141039600 | | |
| 142139600 | | |
| 143239600 | | |
| 144339600 | | |
| 145439600 | | |
| 146539600 | | |
| 147639600 | | |
| 148739600 | | |
| 149839600 | | |
| 150939600 | | |
| 152039600 | | |
| 153139600 | | |
| 154239600 | | |
| 155339600 | | |
| 156439600 | | |
| 157539600 | | |
| 158639600 | | |
| 159739600 | | |
| 160839600 | | |
| 161939600 | | |
| 163039600 | | |
| 164139600 | | |
| 165239600 | | |
| 166339600 | | |
| 167439600 | | |
| 168539600 | | |
| 169639600 | | |
| 170739600 | | |
| 171839600 | | |
| 172939600 | | |
| 174039600 | | |
| 175139600 | | |
| 176239600 | | |
| 177339600 | | |
| 178439600 | | |
| 179539600 | | |
| 180639600 | | |
| 181739600 | | |
| 182839600 | | |
| 183939600 | | |
| 185039600 | | |
| 186139600 | | |
| 187239600 | | |
| 188339600 | | |
| 189439600 | | |
| 190539600 | | |
| 191639600 | | |
| 192739600 | | |
| 193839600 | | |
| 194939600 | | |
| 196039600 | | |
| 197139600 | | |
| 198239600 | | |
| 199339600 | | |
| 200439600 | | |
| 201539600 | | |
| 202639600 | | |
| 203739600 | | |
| 204839600 | | |
| 205939600 | | |
| 207039600 | | |
| 208139600 | | |
| 209239600 | | |
| 210339600 | | |
| 211439600 | | |
| 212539600 | | |
| 213639600 | | |
| 214739600 | | |
| 215839600 | | |
| 216939600 | | |
| 218039600 | | |
| 219139600 | | |
| 220239600 | | |
| 221339600 | | |
| 222439600 | | |
| 223539600 | | |
| 224639600 | | |
| 225739600 | | |
| 226839600 | | |
| 227939600 | | |
| 229039600 | | |
| 230139600 | | |
| 231239600 | | |
| 232339600 | | |
| 233439600 | | |
| 234539600 | | |
| 235639600 | | |
| 236739600 | | |
| 237839600 | | |
| 238939600 | | |
| 240039600 | | |
| 241139600 | | |
| 242239600 | | |
| 243339600 | | |
| 244439600 | | |
| 245539600 | | |
| 246639600 | | |
| 247739600 | | |
| 248839600 | | |
| 249939600 | | |
| 251039600 | | |
| 252139600 | | |
| 253239600 | | |
| 254339600 | | |
| 255439600 | | |
| 256539600 | | |
| 257639600 | | |
| 258739600 | | |
| 259839600 | | |
| 260939600 | | |
| 262039600 | | |
| 263139600 | | |
| 264239600 | | |
| 265339600 | | |
| 266439600 | | |
| 267539600 | | |
| 268639600 | | |
| 269739600 | | |
| 270839600 | | |
| 271939600 | | |
| 273039600 | | |
| 274139600 | | |
| 275239600 | | |
| 276339600 | | |
| 277439600 | | |
| 278539600 | | |
| 279639600 | | |
| 280739600 | | |
| 281839600 | | |
| 282939600 | | |
| 284039600 | | |
| 285139600 | | |
| 286239600 | | |
| 287339600 | | |
| 288439600 | | |
| 289539600 | | |
| 290639600 | | |
| 291739600 | | |
| 292839600 | | |
| 293939600 | | |
| 295039600 | | |
| 296139600 | | |
| 297239600 | | |
| 298339600 | | |
| 299439600 | | |
| 300539600 | | |
| 301639600 | | |
| 302739600 | | |
| 303839600 | | |
| 304939600 | | |
| 306039600 | | |
| 307139600 | | |
| 308239600 | | |
| 309339600 | | |
| 310439600 | | |
| 311539600 | | |
| 312639600 | | |
| 313739600 | | |
| 314839600 | | |
| 315939600 | | |
| 317039600 | | |
| 318139600 | | |
| 319239600 | | |
| 320339600 | | |
| 321439600 | | |
| 322539600 | | |
| 323639600 | | |
| 324739600 | | |
| 325839600 | | |
| 326939600 | | |
| 328039600 | | |
| 329139600 | | |
| 330239600 | | |
| 331339600 | | |
| 332439600 | | |
| 333539600 | | |
| 334639600 | | |
| 335739600 | | |
| 336839600 | | |
| 337939600 | | |
| 339039600 | | |
| 340139600 | | |
| 341239600 | | |
| 342339600 | | |
| 343439600 | | |
| 344539600 | | |
| 345639600 | | |
| 346739600 | | |
| 347839600 | | |
| 348939600 | | |
| 350039600 | | |
| 351139600 | | |
| 352239600 | | |
| 353339600 | | |
| 354439600 | | |
| 355539600 | | |
| 356639600 | | |
| 357739600 | | |
| 358839600 | | |
| 359939600 | | |
| 361039600 | | |
| 362139600 | | |
| 363239600 | | |
| 364339600 | | |
| 365439600 | | |
| 366539600 | | |
| 367639600 | | |
| 368739600 | | |
| 369839600 | | |
| 370939600 | | |
| 372039600 | | |
| 373139600 | | |
| 374239600 | | |
| 375339600 | | |
| 376439600 | | |
| 377539600 | | |
| 378639600 | | |
| 379739600 | | |
| 380839600 | | |
| 381939600 | | |
| 383039600 | | |
| 384139600 | | |
| 385239600 | | |
| 386339600 | | |
| 387439600 | | |
| 388539600 | | |
| 389639600 | | |
| 390739600 | | |
| 391839600 | | |
| 392939600 | | |
| 394039600 | | |
| 395139600 | | |
| 396239600 | | |
| 397339600 | | |
| 398439600 | | |
| 399539600 | | |
| 400639600 | | |
| 401739600 | | |
| 402839600 | | |
| 403939600 | | |
| 405039600 | | |
| 406139600 | | |
| 407239600 | | |