

Calculate the greatest common divisor of the following numbers:

Example

GCD (128, 196) = ?

Solution:

so, we can see the common divisors:

that means 4 can divide both 128 and 196.

Answer: GCD(128, 196) = 4

**Exercise:**

1. GCD(648,  324) = 4

684=2.2.2.3.3.3.3

324=2.2.3.3.3.3

1. GCD(102,  204) = 2

102=2.3.17

204=2.2.3.17

1. GCD(966,  345)=2

966=2.3.7.23

345=5.3.23

1. GCD(396,  660)=2

396=3.2.2.3.11

660=2.2.5.11

1. GCD(604,  453)=6

604=2.2.151

453=3.151

1. GCD(910,  390)=4

910=2.5.91

390=2.5.3.13

1. GCD(460,  575)=4

460=2.2.5.23

575=5.5.23

1. GCD(230,  805)=2

230=5.2.23

805=5.7.23

1. GCD(438,  146)

438=2.3.73

146=2.73

1. GCD(783,  348)=2

783=3.3.29

348=2.3.29

Each problem gains you 10 marks.