

PRIME NUMBERS. PRIME FACTORIZATION

GCD and LCM

1. Say whether is a prime number:

4

9

17

31

28

33

23

2. Join with its correspondent prime factorization:

60

$2 \cdot 2 \cdot 3 \cdot 3 \cdot 5$

1960

$3 \cdot 3 \cdot 11$

280

$2 \cdot 2 \cdot 3 \cdot 5$

99

$2 \cdot 3 \cdot 3 \cdot 5$

180

$2 \cdot 3 \cdot 3$

18

$2 \cdot 2 \cdot 2 \cdot 5 \cdot 7$

90

$2 \cdot 2 \cdot 2 \cdot 5 \cdot 7 \cdot 7$

3. Calculate the prime factorization of the following numbers:

36

210

70

84

4. Calculate the GCD and LCM of the following numbers

60, 36 GCD(60,36)=

LCM(60,36)=

70, 280 GCD(70,280)=

LCM(70,280)=

99,210 GCD(99,210)=

LCM(99,210)=

180,84 GCD(180,84)=

LCM(180,84)=

12,18 GCD(12,18)=

LCM(12,18)=

2,3 GCD(2,3)=

LCM(2,3)=