GCF & LCM · GRADE 7

GCF & LCM · Grade 7

Name _____ Date _____ Score _____ / 12

01 GCF of 14 and 30 = ____

02 LCM of 6 and 10 = ____

03 LCM of 2 and 7 = ____

04 GCF of 8 and 26 = ____

05 LCM of 9 and 12 = ____

06 GCF of 9 and 12 = ____

07 LCM of 3 and 22 = ____

08 LCM of 9 and 15 = ____

09 Prime factorization of 150 = ____

10 Prime factorization of 24 = ____

11 One light flashes every 4 seconds and another every 10 seconds. They just flashed together. In how many seconds will they next flash together? Do you need the GCF or the LCM?

Answer: _____

12 A library gives 8 novels and 20 comics to classrooms. Each class gets the same number of each, with none left over. What is the greatest number of classrooms?

Answer: _____

GCF & LCM · Grade 7 (Answer Key)

01 GCF of 14 and 30 = **2**

02 LCM of 6 and 10 = **30**

03 LCM of 2 and 7 = **14**

04 GCF of 8 and 26 = **2**

05 LCM of 9 and 12 = **36**

06 GCF of 9 and 12 = **3**

07 LCM of 3 and 22 = **66**

08 LCM of 9 and 15 = **45**

09 Prime factorization of 150 =

$2 \times 3 \times 5^2$

10 Prime factorization of 24 = **$2^3 \times 3$**

11 One light flashes every 4 seconds and another every 10 seconds. They just flashed together. In how many seconds will they next flash together? Do you need the GCF or the LCM?

LCM: 20 seconds

12 A library gives 8 novels and 20 comics to classrooms. Each class gets the same number of each, with none left over. What is the greatest number of classrooms?

4 classrooms