GCF & LCM · GRADE 7

GCF & LCM · Grade 7

Name _____ Date _____ Score _____ / 12

01 GCF of 22 and 34 = ____

02 GCF of 8 and 30 = ____

03 LCM of 4 and 22 = ____

04 LCM of 16 and 28 = ____

05 Prime factorization of 182 = ____

06 Prime factorization of 50 = ____

07 GCF of 4, 8 and 10 = ____

08 LCM of 3, 6 and 10 = ____

09 Joaquin has 27 crayons and 36 glue sticks to pack into identical kits, with none left over. What is the greatest number of kits? Do you need the GCF or the LCM?

Answer: _____

10 A camp has 12 Grade 7 students and 30 Grade 8 students. Each team gets the same number of each grade, using every student. What is the greatest number of teams?

Answer: _____

11 A 14 cm by 21 cm board is cut into equal squares with no waste. What is the side length of the largest square possible?

Answer: _____

12 Ananya waters the orchid every 15 days and the ivy every 25 days. Both were watered today. In how many days will both be watered on the same day again?

Answer: _____

GCF & LCM · Grade 7 (Answer Key)

01 GCF of 22 and 34 = **2**

02 GCF of 8 and 30 = **2**

03 LCM of 4 and 22 = **44**

04 LCM of 16 and 28 = **112**

05 Prime factorization of 182 =

$2 \times 7 \times 13$

06 Prime factorization of 50 = **2×5^2**

07 GCF of 4, 8 and 10 = **2**

08 LCM of 3, 6 and 10 = **30**

09 Joaquin has 27 crayons and 36 glue sticks to pack into identical kits, with none left over. What is the greatest number of kits? Do you need the GCF or the LCM?

GCF: 9 kits

10 A camp has 12 Grade 7 students and 30 Grade 8 students. Each team gets the same number of each grade, using every student. What is the greatest number of teams?

6 teams

11 A 14 cm by 21 cm board is cut into equal squares with no waste. What is the side length of the largest square possible?

7 cm

12 Ananya waters the orchid every 15 days and the ivy every 25 days. Both were watered today. In how many days will both be watered on the same day again?

75 days