GCF & LCM · GRADE 7

GCF and LCM word problems · Grade 7

Name _____ Date _____ Score _____ / 6

01 A choir of 10 sopranos and 15 altos stands in rows. Each row has the same number of singers and only one voice type. What is the largest row possible?

Answer: _____

02 Two ribbons, 6 cm and 9 cm long, are cut into pieces all the same length with nothing left over. What is the longest each piece can be?

Answer: _____

03 Red boxes are 8 cm tall and blue boxes are 10 cm tall. A stack of red boxes and a stack of blue boxes are the same height. What is the shortest that height can be?

Answer: _____

04 A 10 cm by 25 cm board is cut into equal squares with no waste. What is the side length of the largest square possible?

Answer: _____

05 Ruby waters the cactus every 6 days and the fern every 9 days. Both were watered today. In how many days will both be watered on the same day again?

Answer: _____

06 A camp has 16 Grade 7 students and 20 Grade 8 students. Each team gets the same number of each grade, using every student. What is the greatest number of teams?

Answer: _____

GCF and LCM word problems · Grade 7 (Answer Key)

01 A choir of 10 sopranos and 15 altos stands in rows. Each row has the same number of singers and only one voice type. What is the largest row possible?

5 singers

02 Two ribbons, 6 cm and 9 cm long, are cut into pieces all the same length with nothing left over. What is the longest each piece can be?

3 cm

03 Red boxes are 8 cm tall and blue boxes are 10 cm tall. A stack of red boxes and a stack of blue boxes are the same height. What is the shortest that height can be?

40 cm

04 A 10 cm by 25 cm board is cut into equal squares with no waste. What is the side length of the largest square possible?

5 cm

05 Ruby waters the cactus every 6 days and the fern every 9 days. Both were watered today. In how many days will both be watered on the same day again?

18 days

06 A camp has 16 Grade 7 students and 20 Grade 8 students. Each team gets the same number of each grade, using every student. What is the greatest number of teams?

4 teams