GCF & LCM · GRADE 7

GCF and LCM word problems · Grade 7

Name _____ Date _____ Score _____ / 6

01 A choir of 28 sopranos and 49 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, 32 cm and 56 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 24 cm tall and blue boxes are 56 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 An 18 cm by 24 cm board is cut into equal squares with no waste. What is the side length of the largest square possible?

Answer: _____

05 Malia waters the basil every 6 days and the mint 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 48 Grade 7 students and 84 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 28 sopranos and 49 altos stands in rows. Each row has the same number of singers and only one voice type. What is the largest row possible?

7 singers

02 Two ribbons, 32 cm and 56 cm long, are cut into pieces all the same length with nothing left over. What is the longest each piece can be?

8 cm

03 Red boxes are 24 cm tall and blue boxes are 56 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?

168 cm

04 An 18 cm by 24 cm board is cut into equal squares with no waste. What is the side length of the largest square possible?

6 cm

05 Malia waters the basil every 6 days and the mint 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 48 Grade 7 students and 84 Grade 8 students. Each team gets the same number of each grade, using every student. What is the greatest number of teams?

12 teams