

Name _____

LCM and LCM Word Problems

Find the Least Common Multiple for each set of numbers.

1) 12 and 16

2) 20 and 24

3) 36 and 20

4) 20, 25 and 30

5) 12, 15 and 18

6) Two schools are going on a field trip. One school's bus arrives every 12 minutes, and the other school's bus arrives every 18 minutes. If both buses arrive at the same time at 9:00 a.m., at what time will they arrive together again?

- 7) In gym class, students do jumping jacks every 8 minutes and push-ups every 10 minutes. If they start both exercises at the same time, after how many minutes will they do both exercises together again?
- 8) A movie theater sells popcorn in boxes of 15 and candy in boxes of 20. What is the smallest number of snacks they can order so that the number of popcorn boxes and candy boxes are the same?
- 9) A gardener waters one type of plant every 9 days and another type every 12 days. If she watered both types today, in how many days will she water both on the same day again?
- 10) The 6th graders meet in the auditorium every 14 days, and the 7th graders meet every 21 days. If both groups met today, how many days will pass until they meet on the same day again?

