

## Section 3.1 Least Common Multiples

Find the least common multiple of the set of numbers.

6) 27, 30, 16, 135

1) 5, 20

2) 28, 35

Solve the problem.

7) Tom and Larry are food inspectors at a cookie making company. Tom tests every 8th batch of dough for fat percentage. Larry tests every 28th batch of dough for carbohydrate percentage. If they both start working at the same time, which batch will be the first that they both test?

3) 8, 48

4) 3, 7, 24

8) A cereal manufacturer uses three large overhead bins to hold the three ingredients in one of its cereal mixes. Bin A delivers a premeasured quantity of dried fruit every 10 minutes, bin B delivers raisins every 25 minutes, and bin C delivers flakes every 35 minutes. If they start the morning shift at the same time, how long before they deliver their ingredients at the same time again?

5) 30, 20, 70