

# 4.4-4.8 Word Problems

5<sup>th</sup> Grade

# **Least Common Multiple Word Problems**

1. You lift weights every third day and swim every fourth day. If you do both activities today, in how many days will you do both activities in the same day?

LCM

1. You lift weights every third day and swim every fourth day. If you do both activities today, in how many days will you do both activities in the same day?

ANSWER = 12 days

LCM

2. Two ships sail between New York and London. One makes the round trip in 12 days. The other takes 16 days. They both leave London today. In how many days will both ships leave London together?

LCM

2. Two ships sail between New York and London. One makes the round trip in 12 days. The other takes 16 days. They both leave London today. In how many days will both ships leave London together?

ANSWER = 48 days

LCM

3. During a promotion, a music store gives a free CD to every fifteenth customer and a free DVD to every fortieth customer. Which customer will be the first to get both gifts?

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ANSWER – 120<sup>th</sup> customer

LCM



4. You buy paper plates, napkins, and cups for a party. Plates come in packages of 15. Cups come in packages of 20 and napkins come in packages of 120. You want to have the same number of plates, cups, and napkins. How many packages of each item should you buy?

LCM

4. You buy paper plates, napkins, and cups for a party. Plates come in packages of 15. Cups come in packages of 20 and napkins come in packages of 120. You want to have the same number of plates, cups, and napkins. How many packages of each item should you buy?

8 packages of plates (120 plates), 6 packages of cups (120 cups), 1 package napkins (120)

LCM

# **Greatest Common Factor Word Problems**

5. You want to make bouquets of balloons. You choose 9 yellow, 3 blue, and 6 red balloons. Each bouquet will have the same number of each color. What is the greatest possible number of groups you can make?

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3 bouquets

6. You want to cut two ribbons into equal lengths with nothing leftover. The ribbons are 18 and 42 inches long. What is the longest possible length of ribbon you can cut?

GCF

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6 inches

# Fractions



7. A store orders 105 greeting cards. The order includes 50 birthday cards, 30 get well cards, and some anniversary cards. In simplest form, what fraction of the cards are anniversary cards?

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$\frac{7}{21}$  anniversary cards

8. A recipe calls for  $2\frac{2}{3}$  cups of flour. You have only  $\frac{1}{3}$  cup scoop for measuring. How many times must you fill the scoop to make the cookies?

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8 times

9. Two sports drinks have the same price. The cherry flavored drink contains  $12\frac{9}{20}$  ounces. The blueberry flavored drink contains  $12\frac{7}{16}$  ounces. Which drink is the better buy?

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Cherry flavored

10. Tim ran  $1\frac{3}{4}$  mile. Naomi ran  $1\frac{7}{10}$  mile. Who ran further?

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Tim