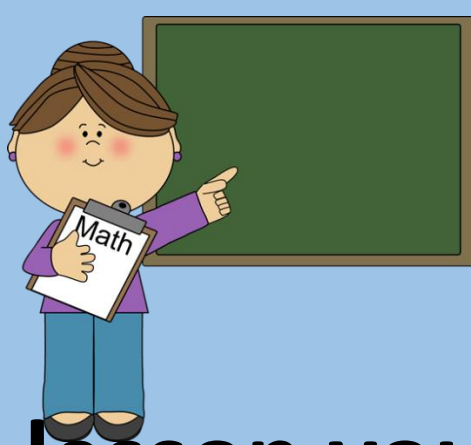


# Grade 4 Math

Day 1



In today's lesson you will review solving two-step problems. This lesson consists of an opening, a problem of the day, a math activity, a Dreambox lesson, and a reflection piece.

**All assignments that have this picture are due to your teacher.**



## Standard:

4.ATO.3 Solve multi-step, real-world problems using the four operations. Represent the problem using an equation with a variable as the unknown quantity.



I can determine the first step in a two-step problem.



I can determine the second step in a two-step problem.



I can represent a two-step word problem with models, pictures, and equations.

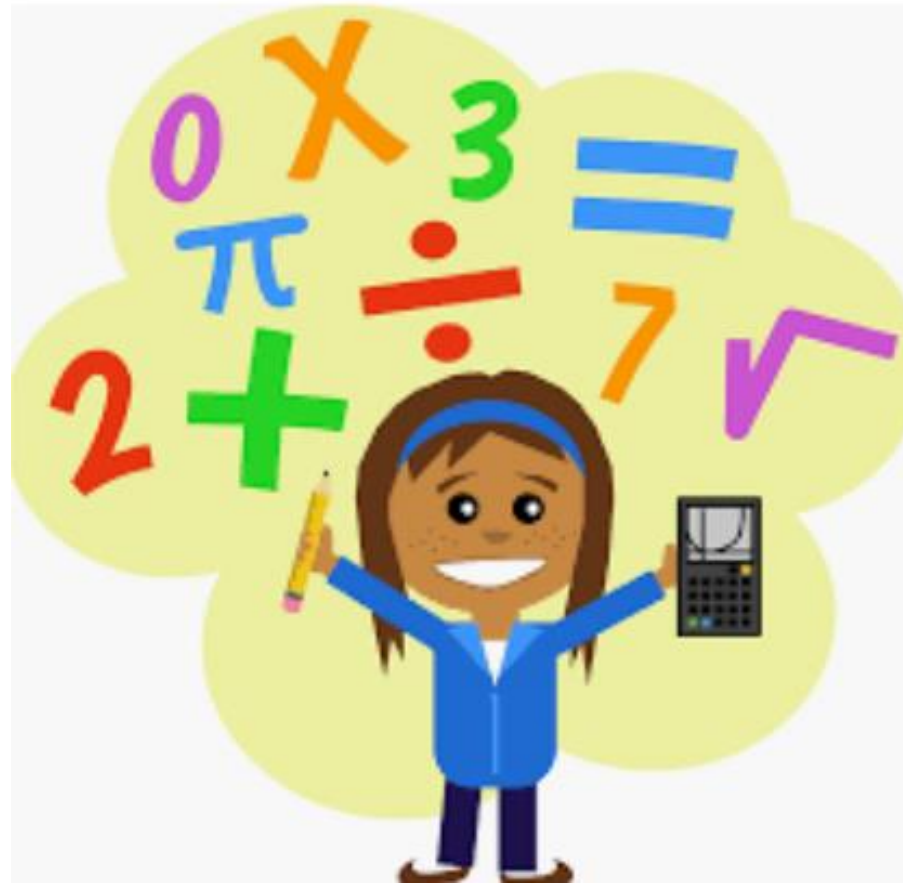
## Essential Questions:

- How do we determine the steps in a two-step problem?
- How can I represent a word problem with models, pictures or equations?

## Materials and Resources:

- Paper and Pencil
- Freckle Math (If internet is available)





# Activities

## Opening: Grade 4 Number Routine

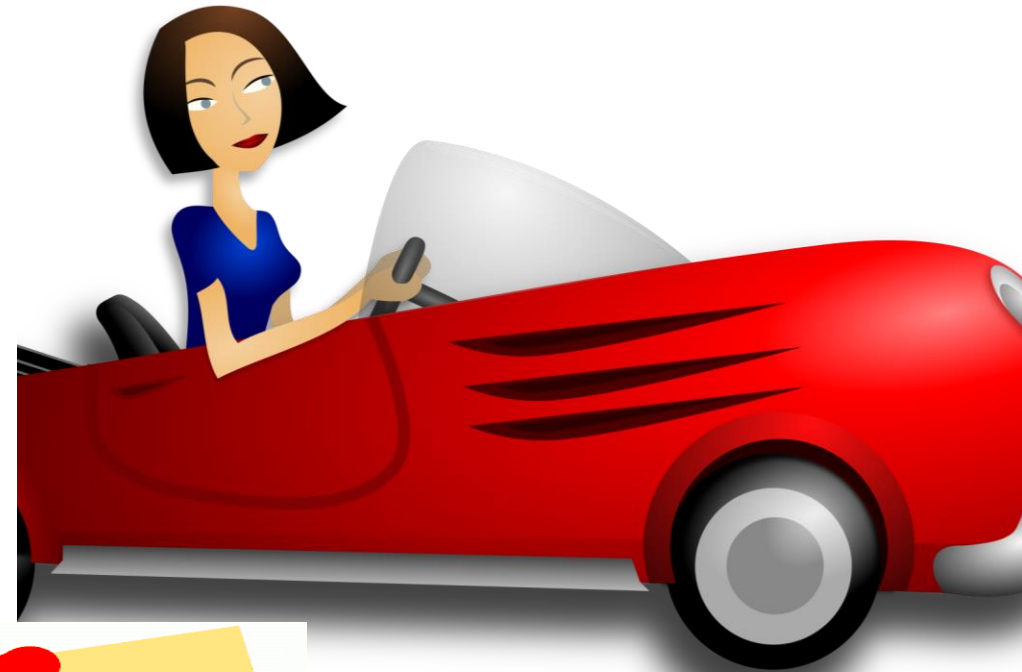
Solve the following problem at least 3 different ways:

$$12 \times 15 = \underline{\quad}$$



## Grade 4 Problem of the Day:

Each week-day Jasmine's mother drives to her office in Orangeburg, SC. The driving distance from Columbia to Orangeburg is about 35 miles. How many miles does her mother drive going to work and coming home each week?



Assignment

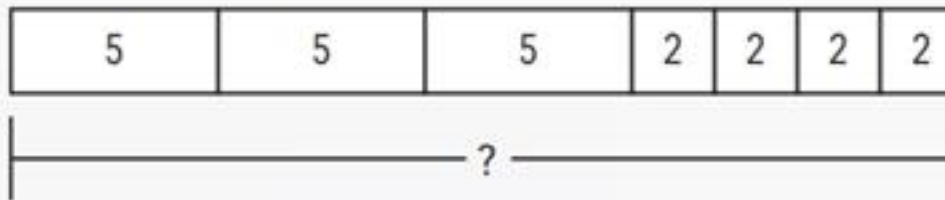
# Activity # 1

## Standard Review

Your child might see a problem like this:

Monty's family bought 3 pies and 4 muffins at the bake sale. The pies cost \$5 each and the muffins cost \$2 each. Write an equation that represents the amount of money Monty's family spent at the bake sale.

Your child is learning to model a problem like this with a bar model:



Looking at the bar model can help your child write an equation for the problem:

Money spent = (3 pies for \$5 each) + (4 muffins for \$2 each)

$$M = (3 \times 5) + (4 \times 2)$$

Your child could also write a different equation:

Money spent = (\$2 each for 4 muffins) + (\$5 each for 3 pies)

$$M = (2 \times 4) + (5 \times 3)$$

Both equations show the information in the problem. In each equation, the letter  $M$  stands for the amount of money that Monty's family spent at the bake sale.



1

The school cafeteria ordered 242 red apples and 518 green apples for students' lunches. If only 582 students wanted fruit, how many extra fruits did the cafeteria end up with?



2

At the flea market Paul found 2 buckets of LEGOs with each bucket containing 5,130 LEGO pieces. If he wanted to split the LEGO pieces into 6 equal piles, how many pieces should he put into each pile?



3

Paige was planning to watch episodes of her favorite TV shows. The shows had 48 episodes with each episode lasting exactly 22 minutes. If she planned to spend 4 days watching the shows how many minutes would she watch each day?



**Reflection:** Today you have reviewed solving two-step word problems. What was one thing you did well with today's lesson? What is one thing you need additional help with?

Write down the answers to these questions on a sheet of paper.

