

Date _____

Warm-Up

CST/CAHSEE: 7NS 1.3

Review: 6NS 1.3

If Freya makes 4 of her 5 free throws in a basketball game, what is her free throw shooting percentage?

- Show two ways to solve

Bar Models for Rate, Percent and Solving Equations: 6th and 7th Grade

Using Multiple Methods to find Unit Rate:

Say: There are three ways we can solve a unit rate. The first is using a bar model, a proportion and also division.

Example #1:

Find the unit rate: You paid \$0.72 for three apples. How much did you pay for one apple?

What are we trying to find? (The price for one apple)

We already know the cost for three apples, finding the unit rate will tell us the cost for one.

Using a Proportion

Using Division

We can also divide the total cost of three apples, by three. This will also give us a unit rate.

Bar models can either break down or build up problem. In this problem we are breaking down or dividing a number that we already know.



In this problem we are breaking down \$0.72.
How many pieces are we breaking it into?

You Try #1:

Find the unit rate: You can climb 102 steps in 17 seconds. How many steps can you climb in 1 second?

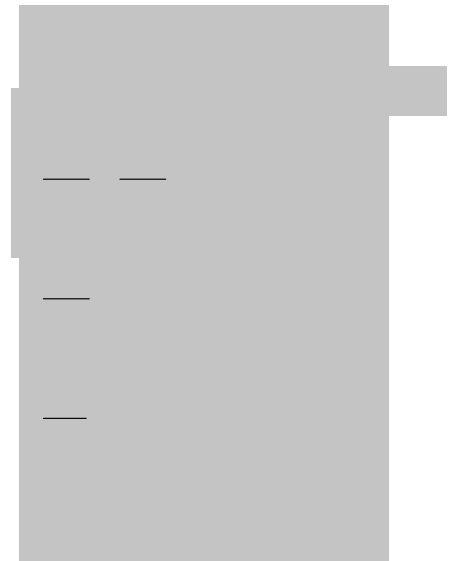
Percent Problem Introduction:

Given 100, what is 50%, what is 25%, what is 10%,

You Try #2: What number is 30% of 80?

Example #3:24 is what percent of 200?

Bar Model



Example#4: 18 is 45% of what number?



You Try #4: 12 is 8% of what number?



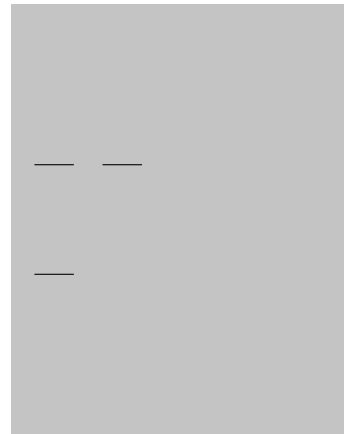
You Try #2: What number is 30% of 80?

Bar Model

Direct Translation

You Try #3: 65 is what percent of 125?

Bar Model



You Try #4: 12 is 8% of what number