Fishtank Plus
Feature Sample

Student Handouts

6th Grade Mathematics
Unit 2 - Unit Rates and Percent
Lesson 13

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Name: _____   Date: _____

Problem 1.

Several tags from a store are shown below. Explain how they are all related to each other.

Problem 2.

Four students are practicing for a track meet. They take turns running around a track that measures 250 yards around. Each student runs as far as he or she can run in 30 seconds, at which point they measure the distance traveled.

Each student's distance is shown below in the chart. Determine what percent of the track each student traveled in 30 seconds.

Student	Distance traveled (yards)	Fraction of track traveled	Percent of track traveled
Jamal	150		
Kristen	200		
Lenny	180		
Marta	165		

Problem 3.

You spend 25% of your Saturday hanging out with friends and family. You spend 4 hours reading and watching television.

    a. How many hours did you spend hanging out with friends and family?
    b. What percent of your day did you spend reading and watching television?

Name: _____   Date: _____

Problem 1.

How is $200 reduced by 40% different from 40% of $200? Justify your answer using words or a representation to model the two situations.
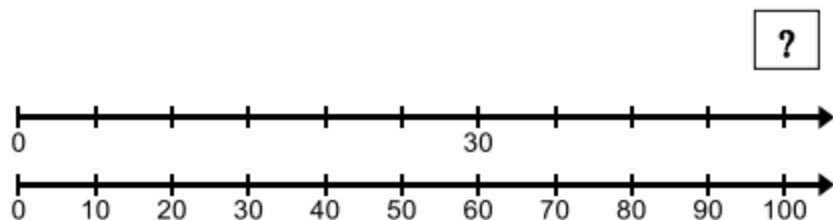
Name: _____   Date: _____

Problem 1.

Find the percent for each situation below.

    a. 15 red candies out of 125 total candies

    b. 60 child tickets out of 250 total tickets

Problem 2.

Explain the following double number line in words. Determine the value of the question mark.

Problem 3.

Jimi earned 60 out of 80 points on a reading quiz. Leslie earned an 80% on the same quiz.

    a. What percent did Jimi earn?

    b. How many points did Leslie earn?

Problem 4.

At basketball practice, Jeremy made 35% of the free-throw shots he took.

    a. If he took 40 shots, how many free-throw shots did he make?

    b. Xavier made the same number of free-throw shots as Jeremy did. This was 70% of the free-throw shots that he took. How many free-throw shots did Xavier take?

    c. Jordan made 39 out of 75 free-throw shots. What percent of free-throw shots did Jordan make?

Problem 5.

A school held a jump-roping contest. Diego jumped rope for 20 minutes.

    a. Jada jumped rope for 15 minutes. What percentage of Diego's time is that?

    b. Lin jumped rope for 24 minutes. What percentage of Diego's time is that?

    c. Noah jumped rope for 9 minutes. What percentage of Diego's time is that?

Problem 6.

The maximum weight for an infant car seat is 30 pounds. What percentage of this weight is:

a. 20 pounds

b. 15 pounds

c. 45 pounds

Problem 7.

A jacket is normally priced at $120. At the end of the winter season, the jacket is offered with a discount of $18 off the normal price. What percentage of the normal price is the discount?

Problem 8.

Yarisa sets off for an 8 mile run. She runs at a constant speed of 6 miles per hour. After running for 20 minutes, what percent of her run has she completed?