

Unit 3 Lesson 10: What Are Percentages?

1 Dollars and Cents (Warm up)

Student Task Statement

Find each answer mentally.

1. A sticker costs 25 cents. How many dollars is that?
2. A pen costs 1.50 dollars. How many cents is that?
3. How many cents are in one dollar?
4. How many dollars are in one cent?

2 Coins

Student Task Statement

1. Complete the table to show the values of these U.S. coins.



coin	penny	nickel	dime	quarter	half dollar	dollar
value (cents)						

The value of a quarter is 25% of the value of a dollar because there are 25 cents for every 100 cents.

1 Quarter

1 Dollar

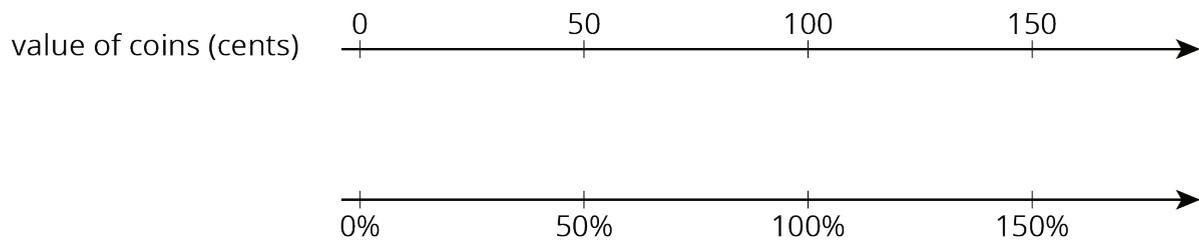
2. Write the name of the coin that matches each expression.

- 25% of a dollar
- 5% of a dollar
- 1% of a dollar
- 100% of a dollar
- 10% of a dollar
- 50% of a dollar

3. The value of 6 dimes is what **percent** of the value of a dollar?

4. The value of 6 quarters is what percent of the value of a dollar?

Activity Synthesis

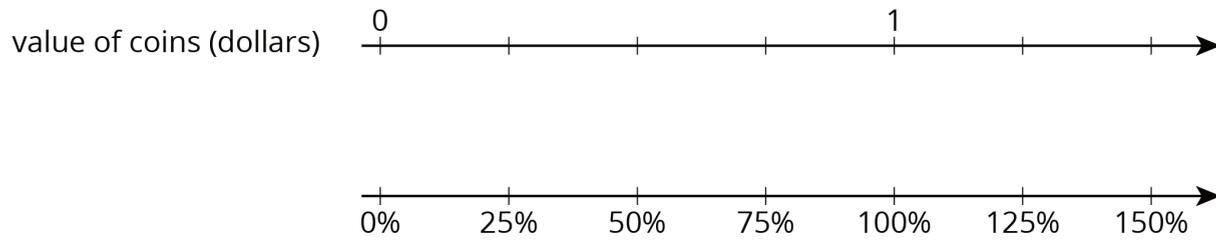


3 Coins on a Number Line

Student Task Statement



A \$1 coin is worth 100% of the value of a dollar. Here is a double number line that shows this.



1. The coins in Jada's pocket are worth 75% of a dollar. How much are they worth (in dollars)?

2. The coins in Diego's pocket are worth 150% of a dollar. How much are they worth (in dollars)?
3. Elena has 3 quarters and 5 dimes. What percentage of a dollar does she have?

Images for Activity Synthesis

