
Lesson 10 Practice Problems

Problem 1

What percentage of a dollar is the value of each coin combination?

- a. 4 dimes
- b. 1 nickel and 3 pennies
- c. 5 quarters and 1 dime

Possible Solutions

- a. 40%
- b. 8%
- c. 135%

Problem 2

- a. List three different combinations of coins, each with a value of 30% of a dollar.
- b. List two different combinations of coins, each with a value of 140% of a dollar.

Possible Solutions

Answers vary. Sample response:

- a. 30 pennies, 6 nickels, or 3 dimes
- b. 140 pennies, 14 dimes, or 5 quarters and 3 nickels

Problem 3

The United States government used to make coins of many different values. For each coin, state its worth as a percentage of \$1.



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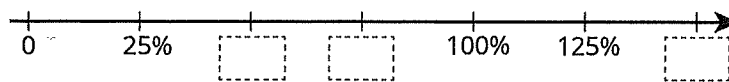
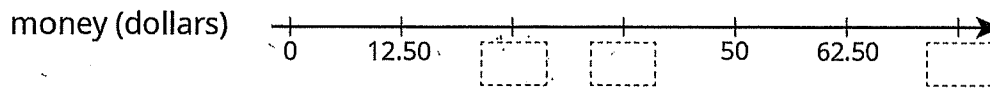
- a. $\frac{1}{2}$ cent c. 20 cents e. \$5
b. 3 cents d. $\$2\frac{1}{2}$

Possible Solutions

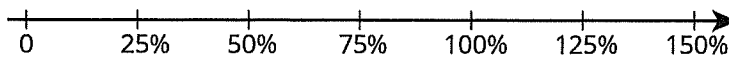
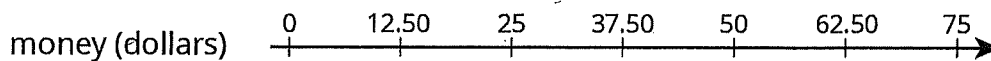
- a. $\frac{1}{2}\%$
b. 3%
c. 20%
d. 250%
e. 500%

Problem 4

Complete the double number to line show percentages of \$50.



Possible Solutions



Problem 5

From Grade 6, Unit 3, Lesson 9

Elena bought 8 tokens for \$4.40. At this rate:

- a. How many tokens could she buy with \$6.05?
b. How much do 19 tokens cost?

Possible Solutions

- a. 11 tokens

b. \$10.45

Problem 6

From Grade 6, Unit 3, Lesson 8

A snail travels 10 cm in 4 minutes. At this rate:

- a. How long will it take the snail to travel 24 cm?
- b. How far does the snail travel in 6 minutes?

Possible Solutions

- a. 9.6 minutes (or equivalent)
- b. 15 cm

Problem 7

From Grade 6, Unit 3, Lesson 7

a. 3 tacos cost \$18. Complete the table to show the cost of 4, 5, and 6 tacos at the same rate.

number of tacos	cost in dollars	rate in dollars per taco
3	18	
4		
5		
6		

b. If you buy t tacos for c dollars, what is the unit rate?

Possible Solutions

a.

number of tacos	cost in dollars	rate in dollars per taco
3	18	6
4	24	6

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number of tacos	cost in dollars	rate in dollars per taco
5	30	6
6	36	6

b. $\frac{c}{t}$ dollars per taco or $\frac{t}{c}$ tacos per dollar.

