

Lesson 1-3

Reinforce Understanding

Math is In My World

I can represent a real-world situation with a tape diagram or table and use decimal operations to solve it.

Worked model

A pile of coins is too big to count one at a time. About how many coins are in the pile?

1. I do not count every coin — I find a small stack I CAN count, about 10 coins.
2. Then I estimate how many stacks like that are in the pile. I count about 15.
3. 15 stacks of about 10 is $15 \times 10 = 150$, so my estimate is about 150 coins — reasoned, not random.

Practice

Complete each exercise. Show the reasoning that supports your answer.

1. One tram ride takes 12.5 minutes. How many minutes do 10 rides take?

Circle the letter of the best answer. Show how you know.

- A. 1.25 minutes
- B. 22.5 minutes
- C. 125 minutes
- D. 1,250 minutes

Show your work

2. Five Breaks: which of these is a correct way to decompose 12.5?

Circle the letter of the best answer. Show how you know.

- A. $1 + 2.5$
- B. $10 + 2.5$
- C. $10 + 2.05$
- D. $12 + 5$

Show your work

3. How many minutes do 50 tram rides take, at 12.5 minutes per ride?

Circle the letter of the best answer. Show how you know.

- A. 62.5 minutes
- B. 600 minutes
- C. 625 minutes
- D. 6,250 minutes