

 Unit Price Detective

Name: _____

Date: _____

Class: _____

My level: ☐  Explorer ☐  Investigator ☐  Legend

Mission: Is the big package ALWAYS the better deal? Split prices into equal parts to find the cost of one item, then decide which package to buy.

Big question: How can dividing a decimal price find the better buy?



Warm-up: Would you rather?

Choose and explain.

2 cookies for \$1.00 or 5 cookies for \$2.00?

Is a bigger package always cheaper per item?

Key vocabulary	
Unit price	The price of one item or one unit.
Divide	Split into equal groups.
Better buy	The choice with the lower unit price.
Bar model	A rectangle split into parts to show a problem.

1

Box 1

Buy the better deal

In the simulator: Buy the better juice deal.

What did you notice?

2

Box 2

Granola bars

In the simulator: Find both unit prices and buy the better granola deal.

What is the unit price of the better deal?

Answer: _____ \$ per bar

Show your thinking:

3

Box 3

Predict: pencils

PREDICTION Pencils: 5-pack for \$1.75 or 12-pack for \$4.80. Which will be the better buy?

☐ The 12-pack (bigger is always better) ☐ The 5-pack ☐ They are the same

Check the pencils

In the simulator: Find both unit prices and buy the better pencil deal.

You predicted: _____. What did you find?

- ☐ The smaller 5-pack was cheaper per pencil (\$0.35 vs \$0.40) ☐ The 12-pack was cheaper ☐ Same price

4 Box 4

Strategy check

Why does Rosa's strategy work?

- ☐ Changing dollars to cents makes a whole-number division with the same value ☐ It doesn't work
☐ She guessed

5 Box 5

Legend: new deal Legend only

A 15-pack of pencils costs \$5.40. What is the unit price?

Answer: _____ \$

Show your thinking:

6 Box 6

Shopper tip

Write a tip for shoppers explaining how to find the better buy. Use an example with numbers.

Exit ticket: answer the big question in your own words

How can dividing a decimal price find the better buy?

Completion code:

Shown on the last screen of the simulator.