

Name _____

Solve Multistep Decimal Problems

I Can work backward to solve a multistep decimal problems.

Florida's B.E.S.T.

- Measurement 5.M.2.1
- Number Sense & Operations 5.NSO.2.4, 5.NSO.2.5
- Mathematical Thinking & Reasoning MTR.1.1, MTR.3.1, MTR.4.1, MTR.5.1, MTR.6.1, MTR.7.1



UNLOCK the Problem Real World

Carson spent \$15.99 for 2 books and 3 pens. The books cost \$4.95 each. The sales tax on the total purchase was \$1.22. Carson also used a coupon for \$0.50 off his purchase. If each pen had the same cost, how much did each pen cost?



Read the Problem

What do I need to find?

What information do I need to use?

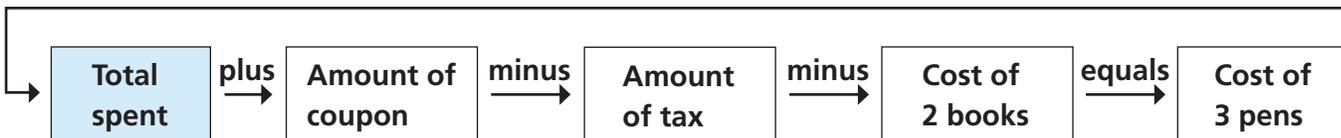
How will I use the information?

Solve the Problem

- Make a flowchart to show the information. Then using inverse operations, work backward to solve.



$$3 \times \text{cost of each pen} + 2 \times \square + \square - \square = \square$$



$$\square + \square - \square - \square = \square$$

- Divide the cost of 3 pens by 3 to find the cost of each pen.

$$\underline{\hspace{2cm}} \div 3 = \underline{\hspace{2cm}}$$

Math Talk

MTR 4.1 Engage in discussions on mathematical thinking

Explain why the amount of the coupon was added when you worked backward.

So, the cost of each pen was _____.

Go Online For more help

Try Another Problem

Last week, Vivian spent a total of \$20.00. She spent \$9.95 for tickets to the school fair, \$5.95 for food, and the rest for 2 rings that were on sale at the school fair. If each ring had the same cost, how much did each ring cost?



Read the Problem

What do I need to find?

What information do I need to use?

How will I use the information?

Solve the Problem

So, the cost of each ring was _____.



MTR
3.1 Complete tasks with mathematical fluency.

How can you check your answer?