for the baseball.

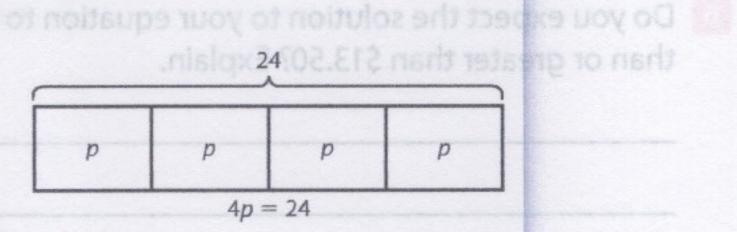
Writing and Solving Equations

Study the example problem showing how to write and solve equations. Then solve problems 1–9.

Example

Larry mows 4 lawns and earns \$24. He is paid the same amount of money for each lawn. Write and solve an equation to find how much Larry is paid to mow one lawn.

You can draw a bar model to help you write and solve an equation that represents the problem. The equation 4p = 24 represents the problem.



Write an equation to represent how much Yare pays

What is the solution to the equation you wrote in

it to help you find the solution?

problem St Draw a number line. What increments did

you use to label your number line? How can you use

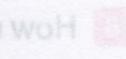
The equation is asking: What number could you multiply by 4 to get 24?

$$4 \times 6 = 24$$

Larry is paid \$6 to mow one lawn.

- What does p represent in the example?
- What does the expression 4p represent?
- What is the solution to the equation 4p = 24?

p = ____



Bev went to the grocery store with \$45. She spent

d dollars and came home with \$21. Write and solve

an equation to find how much Bev spent at the store.

Show your work.

Solution:

Solve.

Use this situation for problems 5-9. Study the example problem showing how to write and

Yaro buys a baseball cap for \$9.50. He also buys a new baseball. Yaro spends \$13.50 altogether.

- Write an equation to represent how much Yaro pays for the baseball.
- Do you expect the solution to your equation to be less than or greater than \$13.50? Explain.

equation to the new thuch carry is paid to mow one tawn.

What is the solution to the equation you wrote in problem 5? Draw a number line. What increments did you use to label your number line? How can you use it to help you find the solution?

- How much does Yaro pay for the baseball? _
- Write an equation using a different operation to an amount of the world will be a second of the represent how much Yaro pays for the baseball. Explain why you can use equations with different as year burn work brill of not superior operations to represent the same problem.

Show your work.

 $4 \times 6 = 24$

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