 Name_____

Equations Word Problems

Date_____ Period____

Write an equation to represent each scenario. Then solve to answer the question.

1) How old is Chelsea if she will be 71 years old in fourteen years?

2) Last week Jessica ran 21 miles more than Wilbur. Jessica ran 36 miles. How many miles did Wilbur run?

3) For her birthday Elisa was given $10. Now she has $47. How much money did she have before?

4) Last Friday Scott had $8. Over the weekend he received some money for a good report card. He now has $18. How much money did he receive?

5) Mei is baking a casserole. The recipe calls for $5\frac{1}{2}$ cups of rice. She has already put in $4\frac{3}{10}$ cups. How many more cups does she need to put in?

6) DeShawn bought nine candy bars for a total of $27. How much did each candy bar cost?

7) How many boxes of envelopes can you buy with $10 if one box costs $2?

8) Molly bought six fancy pens for a total of $24. How much did each pen cost?

9) Willie bought eight colored markers for a total of $32. How much did each marker cost?

10) Anjali spent $26.10 on tissues. If they cost $2.61 per box, how many boxes did she buy?

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Equations Word Problems

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Write an equation to represent each scenario. Then solve to answer the question.

1) How old is Chelsea if she will be 71 years old in fourteen years?

$x + 14 = 71$ or $x = 71 - 14$ or $71 - x = 14$
$x = 57$
57 years old

2) Last week Jessica ran 21 miles more than Wilbur. Jessica ran 36 miles. How many miles did Wilbur run?

$x + 21 = 36$ or $x = 36 - 21$ or $36 - x = 21$
$x = 15$
15 miles

3) For her birthday Elisa was given $10. Now she has $47. How much money did she have before?

$x + 10 = 47$ or $x = 47 - 10$ or $47 - x = 10$
$x = 37$
$37

4) Last Friday Scott had $8. Over the weekend he received some money for a good report card. He now has $18. How much money did he receive?

$x + 8 = 18$ or $x = 18 - 8$ or $18 - x = 8$
$x = 10$
$10

5) Mei is baking a casserole. The recipe calls for $5\frac{1}{2}$ cups of rice. She has already put in $4\frac{3}{10}$ cups. How many more cups does she need to put in?

$x + 4\frac{3}{10} = 5\frac{1}{2}$ or $x = 5\frac{1}{2} - 4\frac{3}{10}$ or $5\frac{1}{2} - x = 4\frac{3}{10}$
$x = 1\frac{1}{5}$
$1\frac{1}{5}$ cups

6) DeShawn bought nine candy bars for a total of $27. How much did each candy bar cost?

$9x = 27$ or $x = \frac{27}{9}$ or $\frac{27}{x} = 9$
$x = 3$
$3

7) How many boxes of envelopes can you buy with $10 if one box costs $2?

$2x = 10$ or $x = \frac{10}{2}$ or $\frac{10}{x} = 2$
$x = 5$
5 boxes

8) Molly bought six fancy pens for a total of $24. How much did each pen cost?

$6x = 24$ or $x = \frac{24}{6}$ or $\frac{24}{x} = 6$
$x = 4$
$4

9) Willie bought eight colored markers for a total of $32. How much did each marker cost?

$8x = 32$ or $x = \frac{32}{8}$ or $\frac{32}{x} = 8$
$x = 4$
$4

10) Anjali spent $26.10 on tissues. If they cost $2.61 per box, how many boxes did she buy?

$2.61x = 26.1$ or $x = \frac{26.1}{2.61}$ or $\frac{26.1}{x} = 2.61$
$x = 10$
10 boxes