## MY Momework

## Lesson 6 <br> Multiply Decimals by Powers of Ten

## Homework Helper

$\square$ Need help? $\checkmark^{\text {connectED.mcgraw-hill.com }}$
Find $0.35 \times 100$.

One Way Multiply.


Another Way Move the decimal point.
Multiplying a decimal by 100 moves the decimal point two places to the right.

$$
0.35 \longrightarrow 35
$$

So, $0.35 \times 100=35$.

## Practice

## Multiply.

1. $0.13 \times 10=$ $\qquad$
2. $1.4 \times 1,000=$ $\qquad$
3. $4.81 \times 10^{3}=$ $\qquad$
4. $0.72 \times 10^{2}=$ $\qquad$
5. $0.179 \times 1,000=$ $\qquad$ 6. $67.2 \times 10^{1}=$ $\qquad$

## Problem Solving

## For Exercises 7 and 8, use the table which shows a school store's prices.

7. How much would it cost to buy 10 pens from the school store?

| Item | Price |
| :--- | :--- |
| Notebook | $\$ 1.25$ |
| Pencil | $\$ 0.50$ |
| Binder | $\$ 2.15$ |
| Pen | $\$ 0.80$ |

8. How much will it cost for 10 pencils and one notebook?
9. The school purchased 100 trophies to give to the honor roll students. If one trophy costs $\$ 4.32$, how much would it cost for all of the trophies?
$\qquad$

## Mathematical

10. PRACTICE $\sqrt[3]{ }$ Find the Error Rico is finding $7.5 \times 100$. Find and correct his mistake.


$$
\begin{gathered}
7.5 \times 100 \\
07.5=0.075
\end{gathered}
$$

## Test Practice

11. Elyse is cutting strips of paper for a scrapbook page. Each strip is 1.5 centimeters wide. How wide will 10 strips of paper be?
(A) 1.5 centimeters
(C) 150 centimeters
(B) 15 centimeters
(D) 1,500 centimeters
