5.NBT.2, 5.NBT.7

MY Homework

Lesson 6

Multiply Decimals by Powers of Ten

Homework Helper



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Find 0.35×100 .

One Way Multiply.

Another Way Move the decimal point.

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

So, $0.35 \times 100 = 35$.

Practice

Multiply.

3.
$$4.81 \times 10^3 =$$

4.
$$0.72 \times 10^2 =$$

6.
$$67.2 \times 10^1 =$$

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?



10. PRACTICE Find the Error Rico is finding 7.5 × 100. Find and correct his mistake.

$$7.5 \times 100$$
 $07.5 = 0.075$

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
- © 150 centimeters
- **B** 15 centimeters
- ① 1,500 centimeters