Key Concept and Vocabulary \(\nabla \) Visual Models

$$7 \times 1 = 7$$

$$7 = 10^1 = 7 \times 10 = 70.$$

$$7 \times 10^2 = 7 \times 100 = 700.$$



$$7 \div 10^1 = 7 \div 10 = 0.7$$

$$7 \div 10^2 = 7 \div 100 = 0.07$$



$$7 \times 1 = 7$$

$$7\times10^1=70$$

$$7 \times 10^2 = 700$$

Hundreds	Tens	Ones	•	Tenths
		7		
	7	0		
7	0	0		

$$7 \div 1 = 7$$

$$7 \div 10^1 = 0.7$$

$$7 \div 10^2 = 0.07$$

Tens	Ones	•	Tenths	Hundredths
	7			
	0		7	
	0		0	7

Skill Examples

1.
$$600 \times 100 = 60,000$$

3.
$$905 \times 10^3 = 905,000$$

5.
$$3 \times 10^4 = 30.000$$

2.
$$21,398 \div 10 = 2,139.8$$

4.
$$467 \div 10^2 = 4.67$$

6.
$$82 \div 10^3 = 0.082$$

Application Example

7. A store owner orders 100 identical laptops. He pays \$49,999 in all. How much money does each laptop cost?

$$$49,999 \div 100 = $499.99$$

Each laptop costs \$499.99.

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8.
$$5 \times 1,000 = 5,000$$
 9. $12 \times 10,000 = 120,000$

9.
$$12 \times 10,000 = 120,000$$

10.
$$389 \times 10^1 = 3,890$$

11.
$$44 \times 10^2 = 4,400$$
 12. $30 \div 100 = 0.3$

12.
$$30 \div 100 = 0.5$$

13.
$$601 \div 10 = 60.1$$

14.
$$9,564 \div 10^2 = 95.64$$

14.
$$9,564 \div 10^2 = 95.64$$
 15. $225 \div 10^3 = 0.225$

16.
$$8,940 \div 10^2 = 89.4$$

17.
$$26 \times 10^3 = 26,000$$

18.
$$1 \div 10^3 = 0.001$$

19.
$$34 \times 10^4 = 340,000$$

Complete the equation.

20.
$$9 \times 10^4 = 90,000$$

21.
$$561 \div 10^2 = 5.61$$
 22. $1,937 \div 10^3 = 1.937$

22.
$$1.937 \div 10^3 = 1.937$$

23. TOTEM POLE A totem pole is 240 inches tall. The totem pole is made of 10 wooden animals of the same height. How many inches tall is each animal? 24 inches