

Name \_\_\_\_\_

## Independent Practice

Let's  
PRACTICE!



Find each product mentally.

3.  $13 \times 1,000 =$  \_\_\_\_\_

4.  $37 \times 10^2 =$  \_\_\_\_\_

5.  $9,000 \times 3 =$  \_\_\_\_\_

6.  $8 \times 10^3 =$  \_\_\_\_\_

7.  $21 \times 10^1 =$  \_\_\_\_\_

8.  $9 \times 50 =$  \_\_\_\_\_

**Algebra** Find the missing number.

9.  $\blacksquare \times 10^4 = 70,000$

$\blacksquare =$  \_\_\_\_\_

10.  $300 \times \blacksquare = 120,000$

$\blacksquare =$  \_\_\_\_\_

11.  $100 \times \blacksquare = 900$

$\blacksquare =$  \_\_\_\_\_

12.  $\blacksquare \times 10^2 = 4,400$

$\blacksquare =$  \_\_\_\_\_



# Problem Solving

13. Each box contains  $10^2$  pencils. The school store has 15 boxes of pencils. How many pencils does the school store have?

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14. **Mathematical PRACTICE 8** **Explain to a Friend** Guilia runs an average of 15 minutes each day. She has a goal of running  $10^2$  minutes in 7 days. Will she complete her running goal in 7 days? Explain to a friend.

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15. A group of friends bought 7 tickets to a dog show for \$30 each. How much did they spend on the tickets?

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My Work!



## HOT Problems

**Mathematical PRACTICE 2** **Use Number Sense** Find each missing exponent.

16.  $40 \times 10^{\blacksquare} = 4,000$

$\blacksquare = \underline{\hspace{2cm}}$

17.  $32 \times 10^{\blacksquare} = 32,000$

$\blacksquare = \underline{\hspace{2cm}}$

18.  $80,000 = 10^{\blacksquare} \times 8$

$\blacksquare = \underline{\hspace{2cm}}$

19.  $10,000 = 10 \times 10^{\blacksquare}$

$\blacksquare = \underline{\hspace{2cm}}$

20. **? Building on the Essential Question** How can patterns be used to determine products of a number and a power of 10?

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