

# Decimal Patterns

**P 2-7**

Find each product. Use mental math.

1.  $0.31 \times 10 =$

\_\_\_\_\_

2.  $100 \times 7.000 =$

\_\_\_\_\_

3.  $0.02 \times 1,000 =$

\_\_\_\_\_

4.  $1,000 \times 5.1 =$

\_\_\_\_\_

5.  $45.6 \times 100 =$

\_\_\_\_\_

6.  $30.3 \times 1,000 =$

\_\_\_\_\_

7.  $10 \times 102.2 =$

\_\_\_\_\_

8.  $100 \times 0.312 =$

\_\_\_\_\_

9.  $10 \times 7.522 =$

\_\_\_\_\_

10.  $0.002 \times 10 =$

\_\_\_\_\_

11.  $578.31 \times 100 =$

\_\_\_\_\_

12.  $9.50 \times 1,000 =$

\_\_\_\_\_

13. Which student will enlarge her art to 5 mm if she enlarges it 100 times?

\_\_\_\_\_

Student	Art Size
Jade	0.25 mm
Willa	0.24 mm
Jess	0.05 mm
Mae	0.37 mm

14. How many millimeters will Mae's art be if she enlarges it 100 times?

\_\_\_\_\_

15. **Algebra** What is the value of  $n$  if  $23.2 \times n = 2,320$ ? \_\_\_\_\_

## Test Prep

16. Which is the product of  $0.225 \times 100$ ?

**A.** 2.25**B.** 22.5**C.** 225**D.** 2,250

17. **Writing in Math** Write a word problem using the number sentence  $4.23 \times 10 = 42.3$ .

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