

Mental Math: Using the Distributive Property

P 2-3

Use the Distributive Property to multiply mentally.

1. $5 \times 607 =$ _____

2. $16 \times 102 =$ _____

3. $7 \times 420 =$ _____

4. $265 \times 5 =$ _____

5. $44 \times 60 =$ _____

6. $220 \times 19 =$ _____

7. $45 \times 280 =$ _____

8. $341 \times 32 =$ _____

9. **Number Sense** Fill in the blanks to show how the Distributive Property can be used to find 10×147 .

$$10 \times (150 - 3) = (10 \times 150) - (\text{_____} \times 3) =$$

$$1,500 - \text{_____} = \text{_____}$$

10. In 1990, there were 1,133 tornadoes in the U.S. If there were the same number of tornadoes for the next 10 years, what would have been the 10-year total? _____
11. There were 1,071 tornadoes in the U.S. in 2000. What is the number of tornadoes multiplied by 20? _____

Test Prep

12. If $4 \times 312 = (4 \times (300 + n))$, which is the value of n ?

A. 4**B.** 12**C.** 48**D.** 300

13. **Writing in Math** Margaret said that she used the Distributive Property to solve 4×444 . Is her answer shown below correct? Explain.

$$4 \times 444 = 4 \times (400 + 40 + 4) =$$

$$(4 \times 400) + (4 \times 40) + (4 \times 4) =$$

$$1,600 + 160 + 16 = 1,776$$