Distributive Property

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. Fill in the blanks to show how the Distributive Property can be used to find $10 \times 147$.

$10 \times (150 - 3) = (10 \times 150) - (\ \ \ \ \ \ \ \times 3) =$

$1,500 - \ \ \ \ \ \ \ \ = \ \ \ \ \ \ \ \$

10. In 1990, there were 1,133 tornadoes in the U.S. If there were the same number of tornadoes for 10 years in a row, what would be 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?


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

   A 4   B 12   C 48   D 300

13. Margaret said that she used the Distributive Property to solve $4 \times 444$. Is her answer shown below correct? Explain.

   $4 \times 444 = 4 \times (400 + 40 + 4) =$
   $(4 \times 400) + (4 \times 40) + (4 \times 4) =$
   $1,600 + 160 + 16 = 1,776$