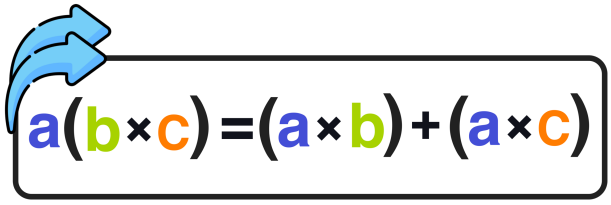
Name: _____

The Distributive Property of Multiplication



Directions: Use the distributive property to rewrite each of the following equations. The first problem is already solved for you.

1.) 3 x 26 = (3 x 20) + (3 x 6) = 60 + 18 = 78

2.) 10 x 31 = _____

3.) 5 x 14 = _____

4.) 7 x 26 = _____

5.) 6 x 21 = _____

6.) 5 x 40 = _____

7.) 10 x 32 = _____

8.) 3 x 33 = _____

9.) 9 x 25 = _____

10.) 7 x 17 = _____

ANSWER KEY

1.) $3 \times 26 = (3 \times 20) + (3 \times 6) = 60 + 18 = 78$

2.) $10 \times 31 = (10 \times 30) + (10 \times 1) = 300 + 10 = 310$

3.) $5 \times 14 = (5 \times 10) + (5 \times 4) = 50 + 20 = 70$

4.) $7 \times 26 = (7 \times 20) + (7 \times 6) = 140 + 142 = 182$

5.) $6 \times 21 = (6 \times 20) + (6 \times 1) = 120 + 6 = 126$

6.) $5 \times 40 = (5 \times 20) + (5 \times 20) = 100 + 100 = 200$

7.) $10 \times 32 = (10 \times 30) + (10 \times 2) = 300 + 20 = 320$

8.) $3 \times 33 = (3 \times 30) + (3 \times 3) = 90 + 9 = 99$

9.) $9 \times 25 = (9 \times 20) + (9 \times 5) = 180 + 45 = 225$

10.) $7 \times 17 = (7 \times 10) + (7 \times 7) = 70 + 49 = 119$