

Name: _____

Score: _____

Multiplication - Distributive Property

Sheet 2

Use distributive property to solve the multiplication problems.

1) $7 \times (11 + 6)$

$= (__ \times __) + (__ \times __)$

$= __ + __ = __$

2) $9 \times (6 + 5)$

$= (__ \times __) + (__ \times __)$

$= __ + __ = __$

3) $8 \times (12 + 3)$

$= (__ \times __) + (__ \times __)$

$= __ + __ = __$

4) $2 \times (9 + 15)$

$= (__ \times __) + (__ \times __)$

$= __ + __ = __$

5) $6 \times (4 + 7)$

$= (__ \times __) + (__ \times __)$

$= __ + __ = __$

6) $9 \times (2 + 5)$

$= (__ \times __) + (__ \times __)$

$= __ + __ = __$

7) $13 \times (6 + 2)$

$= (__ \times __) + (__ \times __)$

$= __ + __ = __$

$(13 + 7)$

$\times __ + (__ \times __)$

$= __ + __ = __$

10) $6 \times (9 + 5)$

$= (__ \times __) + (__ \times __)$

$= __ + __ = __$

$(6 + 10)$

$\times __ + (__ \times __)$

$= __ + __ = __$

13) $7 \times (11 + 8)$

$= (__ \times __) + (__ \times __)$

$= __ + __ = __$

$(5 + 4)$

$\times __ + (__ \times __)$

$= __ + __ = __$

16) $11 \times (2 + 7)$

$= (__ \times __) + (__ \times __)$

$= __ + __ = __$

$(13 + 6)$

$\times __ + (__ \times __)$

$= __ + __ = __$

19) $4 \times (6 + 10)$

$= (__ \times __) + (__ \times __)$

$= __ + __ = __$

20) $2 \times (5 + 8)$

$= (__ \times __) + (__ \times __)$

$= __ + __ = __$

21) $4 \times (2 + 9)$

$= (__ \times __) + (__ \times __)$

$= __ + __ = __$

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Name: _____

Answer key

Score: _____

Multiplication - Distributive Property

Sheet 2

$$\begin{aligned}
 1) \quad & 7 \times (11 + 6) \\
 & = (7 \times 11) + (7 \times 6) \\
 & = 77 + 42 = 119
 \end{aligned}$$

$$\begin{aligned}
 2) \quad & 9 \times (6 + 5) \\
 & = (9 \times 6) + (9 \times 5) \\
 & = 54 + 45 = 99
 \end{aligned}$$

$$\begin{aligned}
 3) \quad & 8 \times (12 + 3) \\
 & = (8 \times 12) + (8 \times 3) \\
 & = 96 + 24 = 120
 \end{aligned}$$

$$\begin{aligned}
 4) \quad & 2 \times (9 + 15) \\
 & = (2 \times 9) + (2 \times 15) \\
 & = 18 + 30 = 48
 \end{aligned}$$

$$\begin{aligned}
 5) \quad & 6 \times (4 + 7) \\
 & = (6 \times 4) + (6 \times 7)
 \end{aligned}$$

$$\begin{aligned}
 6) \quad & 9 \times (2 + 5) \\
 & = (9 \times 2) + (9 \times 5)
 \end{aligned}$$

$$\begin{aligned}
 7) \quad & 13 \times (6 + 2) \\
 & = (13 \times 6) + (13 \times 2) \\
 & = 78 + 26 = 104
 \end{aligned}$$

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$$\begin{aligned}
 & 45 = 63 \\
 & (13 + 7) \\
 & 13) + (5 \times 7) \\
 & 35 = 100
 \end{aligned}$$

$$\begin{aligned}
 10) \quad & 6 \times (9 + 5) \\
 & = (6 \times 9) + (6 \times 5) \\
 & = 54 + 30 = 84
 \end{aligned}$$

$$\begin{aligned}
 & (6 + 10) \\
 & 6) + (8 \times 10) \\
 & 80 = 128
 \end{aligned}$$

$$\begin{aligned}
 13) \quad & 7 \times (11 + 8) \\
 & = (7 \times 11) + (7 \times 8) \\
 & = 77 + 56 = 133
 \end{aligned}$$

$$\begin{aligned}
 & (5 + 4) \\
 & 5) + (9 \times 4) \\
 & 36 = 81
 \end{aligned}$$

$$\begin{aligned}
 16) \quad & 11 \times (2 + 7) \\
 & = (11 \times 2) + (11 \times 7) \\
 & = 22 + 77 = 99
 \end{aligned}$$

$$\begin{aligned}
 & (13 + 6) \\
 & 13) + (8 \times 6) \\
 & - 104 + 48 = 152
 \end{aligned}$$

$$\begin{aligned}
 19) \quad & 4 \times (6 + 10) \\
 & = (4 \times 6) + (4 \times 10) \\
 & = 24 + 40 = 64
 \end{aligned}$$

$$\begin{aligned}
 20) \quad & 2 \times (5 + 8) \\
 & = (2 \times 5) + (2 \times 8) \\
 & = 10 + 16 = 26
 \end{aligned}$$

$$\begin{aligned}
 21) \quad & 4 \times (2 + 9) \\
 & = (4 \times 2) + (4 \times 9) \\
 & = 8 + 36 = 44
 \end{aligned}$$