

Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Distributive Property**

Rewrite the statement using distributive property.

1) $5 \times (12 + 7)$ $= (\_\_ \times \_\_) + (\_\_ \times \_\_)$	2) $(9 \times 3) + (9 \times 8)$ $= \_\_ \times (\_\_ + \_\_)$
3) $14 \times (2 + 4)$ $= (\_\_ \times \_\_) + (\_\_ \times \_\_)$	4) $(2 \times 5) + (2 \times 10)$ $= \_\_ \times (\_\_ + \_\_)$
5) $(7 \times 3) + (7 \times 5)$ $= \_\_ \times (\_\_ + \_\_)$	6) $13 \times (9 + 6)$ $= (\_\_ \times \_\_) + (\_\_ \times \_\_)$
7) $6 \times (12 + 4)$ $= (\_\_ \times \_\_) + (\_\_ \times \_\_)$	8) $(8 \times 4) + (8 \times 8)$ $= \_\_ \times (\_\_ + \_\_)$
9) $(9 \times 3) + (9 \times 12)$ $= \_\_ \times (\_\_ + \_\_)$	10) $11 \times (4 + 7)$ $= (\_\_ \times \_\_) + (\_\_ \times \_\_)$
11) $13 \times (5 + 8)$ $= (\_\_ \times \_\_) + (\_\_ \times \_\_)$	12) $(4 \times 6) + (4 \times 10)$ $= \_\_ \times (\_\_ + \_\_)$
13) $(2 \times 3) + (2 \times 4)$ $= \_\_ \times (\_\_ + \_\_)$	14) $8 \times (14 + 9)$ $= (\_\_ \times \_\_) + (\_\_ \times \_\_)$
15) $5 \times (7 + 11)$ $= (\_\_ \times \_\_) + (\_\_ \times \_\_)$	16) $(12 \times 8) + (12 \times 3)$ $= \_\_ \times (\_\_ + \_\_)$
17) $(9 \times 4) + (9 \times 15)$ $= \_\_ \times (\_\_ + \_\_)$	18) $7 \times (2 + 5)$ $= (\_\_ \times \_\_) + (\_\_ \times \_\_)$
19) $8 \times (13 + 6)$ $= (\_\_ \times \_\_) + (\_\_ \times \_\_)$	20) $(10 \times 3) + (10 \times 8)$ $= \_\_ \times (\_\_ + \_\_)$

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**Distributive Property**

Use distributive property to solve the multiplication problems.

1)  $8 \times (5 + 7)$

$= (\_\_ \times \_\_) + (\_\_ \times \_\_)$

$= \_\_\_ + \_\_\_ = \_\_\_$

2)  $11 \times (8 + 2)$

$= (\_\_ \times \_\_) + (\_\_ \times \_\_)$

$= \_\_\_ + \_\_\_ = \_\_\_$

3)  $9 \times (3 + 5)$

$= (\_\_ \times \_\_) + (\_\_ \times \_\_)$

$= \_\_\_ + \_\_\_ = \_\_\_$

4)  $6 \times (13 + 4)$

$= (\_\_ \times \_\_) + (\_\_ \times \_\_)$

$= \_\_\_ + \_\_\_ = \_\_\_$

5)  $7 \times (10 + 3)$

$= (\_\_ \times \_\_) + (\_\_ \times \_\_)$

$= \_\_\_ + \_\_\_ = \_\_\_$

6)  $5 \times (7 + 14)$

$= (\_\_ \times \_\_) + (\_\_ \times \_\_)$

$= \_\_\_ + \_\_\_ = \_\_\_$

7)  $2 \times (9 + 5)$

$= (\_\_ \times \_\_) + (\_\_ \times \_\_)$

$= \_\_\_ + \_\_\_ = \_\_\_$

8)  $13 \times (8 + 5)$

$= (\_\_ \times \_\_) + (\_\_ \times \_\_)$

$= \_\_\_ + \_\_\_ = \_\_\_$

9)  $10 \times (8 + 6)$

$= (\_\_ \times \_\_) + (\_\_ \times \_\_)$

$= \_\_\_ + \_\_\_ = \_\_\_$

10)  $5 \times (14 + 3)$

$= (\_\_ \times \_\_) + (\_\_ \times \_\_)$

$= \_\_\_ + \_\_\_ = \_\_\_$

11)  $9 \times (2 + 5)$

$= (\_\_ \times \_\_) + (\_\_ \times \_\_)$

$= \_\_\_ + \_\_\_ = \_\_\_$

12)  $5 \times (12 + 7)$

$= (\_\_ \times \_\_) + (\_\_ \times \_\_)$

$= \_\_\_ + \_\_\_ = \_\_\_$

13)  $8 \times (9 + 4)$

$= (\_\_ \times \_\_) + (\_\_ \times \_\_)$

$= \_\_\_ + \_\_\_ = \_\_\_$

14)  $2 \times (15 + 9)$

$= (\_\_ \times \_\_) + (\_\_ \times \_\_)$

$= \_\_\_ + \_\_\_ = \_\_\_$

15)  $7 \times (11 + 2)$

$= (\_\_ \times \_\_) + (\_\_ \times \_\_)$

$= \_\_\_ + \_\_\_ = \_\_\_$

16)  $3 \times (9 + 13)$

$= (\_\_ \times \_\_) + (\_\_ \times \_\_)$

$= \_\_\_ + \_\_\_ = \_\_\_$

17)  $14 \times (4 + 9)$

$= (\_\_ \times \_\_) + (\_\_ \times \_\_)$

$= \_\_\_ + \_\_\_ = \_\_\_$

18)  $6 \times (10 + 3)$

$= (\_\_ \times \_\_) + (\_\_ \times \_\_)$

$= \_\_\_ + \_\_\_ = \_\_\_$

19)  $5 \times (7 + 8)$

$= (\_\_ \times \_\_) + (\_\_ \times \_\_)$

$= \_\_\_ + \_\_\_ = \_\_\_$

20)  $2 \times (9 + 12)$

$= (\_\_ \times \_\_) + (\_\_ \times \_\_)$

$= \_\_\_ + \_\_\_ = \_\_\_$

21)  $13 \times (5 + 6)$

$= (\_\_ \times \_\_) + (\_\_ \times \_\_)$

$= \_\_\_ + \_\_\_ = \_\_\_$