

Additional Practice

1.4

NAME _____

Module 1 **Number Sense**
Lesson 4 **Distributive Properties**

Solve the following products using the Distributive Property as shown.

1. $8 \cdot 7 = 8(5 + 2)$
 $40 + 16 = 56$

2. $6(21) = 6(20 + 1)$
 $120 + 6 = 126$

3. $(12)(9) = 12(5 + 4)$
 $60 + 48 = 108$

4. $9 \cdot 13 = 9(10 + 3)$
 $90 + 27 = 117$

5. $(16)(18) = (10 + 6)(10 + 8)$
 $100 + 80 + 60 + 48 = 288$

6. $23 \cdot 12 = (20 + 3)(10 + 2)$
 $200 + 40 + 30 + 6 = 276$

7. $25(26) = 25(20 + 6)$
 $500 + 150 = 650$

8. $(11)(18) = 11(20 - 2)$
 $220 - 22 = 198$

9. $5(29) = 5(30 - 1)$
 $150 - 5 = 145$

10. $15 \cdot 17 = 15(20 - 3)$
 $300 - 45 = 255$

11. $(3)(49) = 3(50 - 1)$
 $150 - 3 = 147$

12. $17(9) = 17(10 - 1)$
 $170 - 17 = 153$

Use the Distributive Property of Multiplication over Subtraction to find the products.

13. $6(18)$
 $6(20 - 2) = 120 - 12 = 108$

14. $11(27)$
 $11(30 - 3) = 330 - 33 = 297$

15. $12(46)$
 $12(50 - 4) = 600 - 48 = 552$

16. $15(39)$
 $15(40 - 1) = 600 - 15 = 585$

Use the Distributive Property to solve the following.

17. Cara earns \$8 per hour. How much does she earn in 14 hours?
Cara earned \$112.

18. Raj does 28 sit-ups each morning. How many sit-ups does he do in 30 days?
Raj does 840 sit-ups.

19. Kendall collects baseball cards. He has 16 boxes with 52 cards in each box. How many baseball cards does he have in all?
Kendall has 832 cards.

20. Inez swims 19 laps each day. How many laps will she swim in 48 days?
Inez swims 912 laps.

