

Independent Practice

1.4

NAME _____

Module 1 Number Sense
Lesson 4 Distributive Properties

Solve the following products using the distributive property as shown.

1. $(5)(13) = 5(8 + 5)$

2. $7(15) = 7(10 + 5)$

3. $(14)(22) = (10 + 4)(20 + 2)$

4. $16 \cdot 15 = (10 + 6)(10 + 5)$

5. $(9)(28) = 9(30 - 2)$

6. $12(19) = 12(20 - 1)$

Use the Distributive Property to solve the following.

7. $8(13)$

8. $(14)(15)$

9. $5 \cdot 28$

10. $9(14)$

11. $(25)(24)$

12. $11(48)$

Use the Distributive Property to solve the following.

13. For the school play, Gabrielle set up 42 rows with 15 chairs in each row. How many chairs did she set up in all?

14. The basketball team bought 19 jerseys for \$34 each. How much did the jerseys cost in all?

15. Maria read 2 novels with 296 pages each and 7 short stories with 14 pages each. How many pages did she read altogether?

16. Jamal practices piano for 45 minutes each day. If he practices 24 days each month, how many minutes will he have practiced in 12 months?

Journal

1. Explain how to model the Distributive Property using areas of rectangles. Provide an example.
2. Explain how the Distributive Property can be used to simplify computations. Provide examples.
3. What is a partial product, and why is it important to the Distributive Property?

Cumulative Review

Using mental math, evaluate each of the following.

1. $21 + 54 + 79 + 19$
2. $25 \times 17 \times 4 \times 3$
3. $(40)(10)(5) + (27)(20)$
4. $(50 \div 10)^2 \times [(2 \times 8) - (3 \times 4)]^2$
5. $(7 \times 8) - [(72 \div 9) + (4 \times 7)]$
6. $3(77 \div 11) + 8[4 + (35 \div 7)]$

Determine if each number is divisible by 2, 3, 4, 5, 6, 9, or 10.

7. 279
8. 5,385
9. 24,912
10. 37,420

Additional Work Area