

NAME _____

DATE _____



1-4 Practice

Properties

Student Edition
Pages 22-25

Name the property shown by each statement.

1. $4 + (9 + 6) = (4 + 9) + 6$

2. $x + 12 = 12 + x$

3. $(3 + y) + 0 = 3 + y$

4. $(x + y) + z = x + (y + z)$

5. $(15 + x) + 2 = 2 + (15 + x)$

6. $x \cdot 1 = x$

7. $14xy = 14yx$

8. $(3 + 5) + c = 3 + (5 + c)$

9. $(2 \cdot 5) \cdot 0 = 0$

10. $6 \cdot (8 + c) = (8 + c) \cdot 6$

11. $6 \cdot (4 \cdot 3) = (6 \cdot 4) \cdot 3$

12. $(3 \cdot 9) \cdot 1 = 3 \cdot 9$

13. $(a + b) + c = c + (a + b)$

14. $(x + y) \cdot 5 = (y + x) \cdot 5$

15. $ab + 0 = ab$

16. $a \cdot b = b \cdot a$

17. $(x \cdot y) \cdot z = x \cdot (y \cdot z)$

18. $(7 \cdot 3) \cdot 5 = 7 \cdot (3 \cdot 5)$

19. $(2 + x) \cdot 0 = 0$

20. $(8 + 5) + 3 = 3 + (8 + 5)$

21. $(a + b) \cdot 1 = a + b$