7 Practice • • • • • • Using the Commutative Property with Two Factors

Directions: Use the information on page 29 to help you complete the problems below.

1. 5 x 8 = _____ **2.** 8 x 5 = _____ **3.** 9 x 6 = _____

4. 6 x 9 = _____ **5.** 7 x 8 = _____ **6.** 8 x 7 = _____

7. 12 x 7 **8.** 7 x 12 **9.** 15 x 8 **10.** 8 x 15

11. 18 x 7 **12.** 7 x 18 **13.** 20 x 9 **14.** 9 x 20

15. 19 x 6 **16.** 6 x 19 **17.** 17 x 7 **18.** 7 x 17

Directions: Complete these two-digit times two-digit problems. Remember to regroup where necessary. Check your work. Each pair of answers should be the same.

19. 90 x 80 **20.** 80 x 90 **21.** 60 x 70 **22.** 70 x 60

23. 40 x 90 **24.** 90 x 40 **25.** 80 x 70 **26.** 70 x 80

27. 25 x 30 **28.** 30 x 25 **29.** 65 x 40 **30.** 40 x 65

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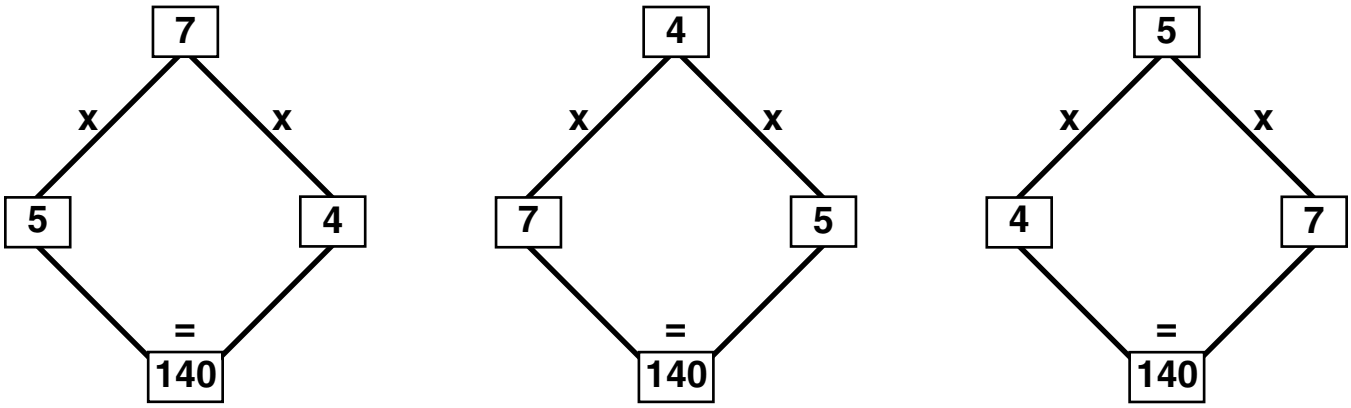
7 Practice • • • • • • Using the Commutative Property with Three or More Factors

Study this example.



Batter up! Who's on first? Who's on second? Who's on third? It doesn't matter. The score is the same!

4 x 7 x 5 = <u>140</u> **5 x 4 x 7 = <u>140</u>** **7 x 5 x 4 = <u>140</u>**

Directions: Use the information on page 29 and the example above to help you complete the problems on this page. Check your work. Each set of three problems should have the same answers.

1. 7 x 4 x 8 = _____ **5.** 8 x 4 x 7 = _____ **9.** 4 x 7 x 8 = _____

2. 6 x 3 x 4 = _____ **6.** 4 x 6 x 3 = _____ **10.** 3 x 6 x 4 = _____

3. 5 x 9 x 3 = _____ **7.** 3 x 9 x 5 = _____ **11.** 9 x 3 x 5 = _____

4. 5 x 10 x 9 = _____ **8.** 9 x 10 x 5 = _____ **12.** 10 x 5 x 9 = _____

Directions: Complete these problems. Notice which answers are the same.

13. 5 x 6 x 7 x 8 = _____ **19.** 5 x 9 x 7 x 2 = _____

14. 8 x 7 x 6 x 5 = _____ **20.** 7 x 9 x 2 x 5 = _____

15. 6 x 5 x 8 x 7 = _____ **21.** 10 x 11 x 9 x 8 = _____

16. 7 x 8 x 6 x 5 = _____ **22.** 8 x 10 x 11 x 9 = _____

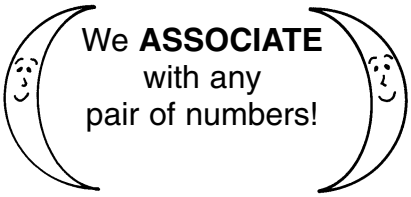
17. 2 x 5 x 7 x 9 = _____ **23.** 11 x 10 x 8 x 9 = _____

18. 9 x 7 x 5 x 2 = _____ **24.** 9 x 10 x 8 x 11 = _____

7 Practice • • • • • • • Using the Associative Property

$3 \times (4 \times 5) = \underline{60}$

$(3 \times 4) \times 5 = \underline{60}$



Directions: Use the information on page 29 and the example above to help you complete these problems.

1. 4 x (5 x 6) = _____

2. (4 x 5) x 6 = _____

3. 7 x (8 x 9) = _____

4. (7 x 8) x 9 = _____

5. (4 x 6) x 2 = _____

6. 4 x (6 x 2) = _____

7. (9 x 4) x 7 = _____

8. 9 x (4 x 7) = _____

9. 3 x (5 x 9) = _____

10. (3 x 5) x 9 = _____

Directions: Try these problems. Use the ladder form where needed to do the operation. Review the information on page 17 to multiply by multiples of 10.

11. (20 x 30) x 40 = _____

12. 20 x (30 x 40) = _____

13. (70 x 90) x 30 = _____

14. 70 x (90 x 30) = _____

15. 50 x (30 x 80) = _____

16. (50 x 30) x 80 = _____

17. (25 x 40) x 60 = _____

18. 25 x (40 x 60) = _____

19. (35 x 25) x 10 = _____

20. 35 x (25 x 10) = _____

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