Multiplication Post-Test : Study Guide

1. Which property is represented in the following equation? 3 x 2 = 2 x 3 _____

2. Which property is represented in the following equation? 2 x (1 x 4) = (2 x 1) x 4

    _____

3. Which property is represented in the following equation? 3 x 1 = 3 _____

4. Which property is represented in the following equation? 24 x 0 = 0 _____

5. Which property is represented in the following equation? 2 x (4 + 3) = (2 x 4) + (2 x 3) = 2 x 7

    _____

6. Solve the following: 2 x (4 x 3) = _____

7. 4 x 7 = _____
8. 2 x 9 = _____
9. 8 x 6 = _____
10. 5 x 5 = _____
11. A group of 4 teachers went to dinner. Each teacher's meal cost $6 each. What is the total cost of their meal? _____

12. What happens when you multiply two odd numbers together? Odd x odd = _____ Explain your answer: _____

_____

13. What happens when you multiply two even numbers together? Even x even = _____ Explain your answer: _____

_____

14. What happens when you multiply an odd number and an even number together? Odd x even = _____ Explain your answer: _____

_____

15. Sally said that 3 + 3 + 3 + 3 + 3 = 3 x 5. Is he correct? _____ How do you know? _____

_____

16. Write the number sentence that matches the array: _____ ♥♥♥♥ ♥♥♥♥

17. Chasity is looking at a book of pictures. The book has 5 pages and there are 8 pictures on each page. Which equation(s) can help you find the total number of pictures in the book?
(a) 8 x 5 (b) 5 + 5 + 5 + 5 +5
(c) 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 (d) 8 + 8 + 8 + 8

18. Woodruff High school students are painting the parking lot. They will paint 7 rows with 10 spaces in each row. How many cars will it take to fill the parking lot? _____
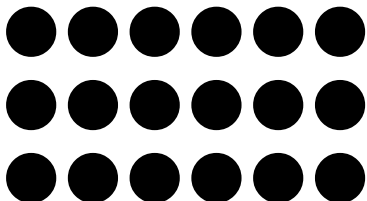
19. Josh was getting on a roller coaster. The roller coaster had 3 carts. In each cart, there were 5 rows with 4 seats in each row. Fill in the blanks to write a multiplication sentence to solve the problem:

_____ x (_____ x _____) = _____

20. Which equation is the same as 7 x 8?
(a) (7+4) x (7+4) (b) (7+4) + (7+4)
(c) 7 x 4 + 4 (d) (7 x 4) + (7 x 4)

21. Use the distributive property to break apart the array: _____ x _____ = (_____ x _____) + (_____ x _____)

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22. Which statement is true?
(a) 6 x 5 = 10 x 3 (b) 4 x 4 = 3 x 1 x 2 (c) 0 x 1 = 1 x 1

23. Use the number line to show 6 x 3 = _____

24. Use commutative property to complete 9 x 8 = __ x 9

25. If 2 x 9 = 18, then 9 x 2 = ___

26. 40 x 4 = _____

27. Use repeated addition to solve 5 x 2

    ___ + ___ = ___ or ___ + ___ + ___ + ___ + ___ = ___

28. Draw a picture to solve 4 x 3

29. Ann ate 7 bananas every day for 5 days. How many did she eat all together? _____

30. Which expression could be used to find the total number of stickers?   ☺ ☺ ☺ ☺

    _____   ☺ ☺ ☺ ☺

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