3, 4, 6, 7, and 8 as Factors

For **1** through **8**, fill in each ____ .

1. $3 \times 10 = (2 \times 10) + (1 \times \underline{\quad})$

2. $2 \times \underline{\quad} = (2 \times 5) + (2 \times 1)$

3. $4 \times 7 = (4 \times \underline{\quad}) + (4 \times 2)$

4. $11 \times 8 = (11 \times 5) + (11 \times \underline{\quad})$

5. $3 \times 6 = (3 \times 1) + (3 \times \underline{\quad})$

6. $6 \times 6 = (6 \times \underline{\quad}) + (6 \times 4)$

7. $7 \times \underline{\quad} = (7 \times 4) + (7 \times 3)$

8. $1 \times 8 = (1 \times \underline{\quad}) + (1 \times 3)$

For **9** through **20**, use breaking apart to find each product.

9. 5×5 ____

10. 3×6 ____

11. 4×2 ____

12. 7×3 ____

13. 7×2 ____

14. 6×6 ____

15. 7×7 ____

16. 6×7 ____

17. 8×3 ____

18. 10×6 ____

19. 6×12 ____

20. 4×6 ____

For **21** through **29**, compare using $<$, $>$, or $=$ to fill in each $\bigcirc$.

21. $3 \times 4 \bigcirc 6 \times 1$

22. $5 \times 8 \bigcirc 6 \times 7$

23. $3 \times 6 \bigcirc 9 \times 2$

24. $8 \times 4 \bigcirc 7 \times 4$

25. $7 \times 5 \bigcirc 12 \times 3$

26. $5 \times 6 \bigcirc 3 \times 10$

27. $1 \times 8 \bigcirc 2 \times 3$

28. $4 \times 5 \bigcirc 2 \times 10$

29. $8 \times 6 \bigcirc 7 \times 7$

30. Candice has placed her seashells into 4 rows with 5 seashells in each row. How many seashells does she have? ____

31. A chessboard has 8 rows and 8 columns. Each row has 4 white squares and 4 black squares. Which expression below would give you the number of black squares on a chessboard?

A 8×8 **B** 8×4 **C** 4×4 **D** $8 + 8$

32. Writing to Explain Using the breaking apart method, what is the best way to multiply 8 by 7?