

Name _____

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?