

Multiplying Fractions and Whole Numbers

Find each product.

1. $\frac{1}{4}$ of 96 = _____
2. $\frac{4}{7}$ of 28 = _____
3. $\frac{3}{4} \times 72 =$ _____
4. $45 \times \frac{3}{9} =$ _____
5. $56 \times \frac{7}{8} =$ _____
6. $42 \times \frac{3}{7} =$ _____
7. $\frac{1}{2}$ of 118 = _____
8. $\frac{3}{8}$ of 56 = _____
9. $\frac{1}{10} \times 400 =$ _____
10. $84 \times \frac{1}{6} =$ _____
11. $64 \times \frac{5}{16} =$ _____
12. $40 \times \frac{11}{20} =$ _____
13. $\frac{5}{8}$ of 48 = _____
14. $\frac{1}{7}$ of 77 = _____
15. $\frac{4}{5} \times 90 =$ _____
16. $42 \times \frac{3}{14} =$ _____
17. $72 \times \frac{5}{8} =$ _____
18. $18 \times \frac{2}{3} =$ _____
19. $\frac{5}{6} \times 84 =$ _____
20. $\frac{11}{12} \times 144 =$ _____
21. $\frac{6}{7} \times 42 =$ _____

22. Complete the table by writing the product of each expression in the box below it. Use a pattern to find each product. Explain the pattern.

| $\frac{1}{2} \times 32$ | $\frac{1}{4} \times 32$ | $\frac{1}{8} \times 32$ | $\frac{1}{16} \times 32$ |
|-------------------------|-------------------------|-------------------------|--------------------------|
| | | | |

23. **Reasoning** If $\frac{1}{2}$ of 1 is $\frac{1}{2}$, what is $\frac{1}{2}$ of 2, 3, and 4? _____

24. Which is $\frac{2}{3}$ of 225?

A 75 **B** 113 **C** 150 **D** 450

25. **Explain It** Explain why $\frac{1}{2}$ of 2 equals one whole.
