

You can multiply large numbers in your head with a few simple techniques. The keys are 10 and 100.

- To multiply by 2—think double.
- To multiply by 5—multiply by 10 and divide by 2.
- To multiply by 9—multiply by 10 and subtract the multiplicand.
- To multiply by 25—multiply by 100 and divide by 4.
- To multiply by 50—multiply by 100 and divide by 2.

**Directions:** Use the information in the chart to help solve these problems.

$$\begin{array}{r} 1. \quad 416 \\ \times \quad 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 540 \\ \times \quad 2 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 350 \\ \times \quad 2 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 480 \\ \times \quad 2 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 461 \\ \times \quad 2 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 230 \\ \times \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 460 \\ \times \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 351 \\ \times \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 840 \\ \times \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 580 \\ \times \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 38 \\ \times \quad 50 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 67 \\ \times \quad 50 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 68 \\ \times \quad 50 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 78 \\ \times \quad 50 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 44 \\ \times \quad 50 \\ \hline \end{array}$$

$$\begin{array}{r} 16. \quad 62 \\ \times \quad 25 \\ \hline \end{array}$$

$$\begin{array}{r} 17. \quad 48 \\ \times \quad 25 \\ \hline \end{array}$$

$$\begin{array}{r} 18. \quad 92 \\ \times \quad 25 \\ \hline \end{array}$$

$$\begin{array}{r} 19. \quad 24 \\ \times \quad 25 \\ \hline \end{array}$$

$$\begin{array}{r} 20. \quad 82 \\ \times \quad 25 \\ \hline \end{array}$$

$$\begin{array}{r} 21. \quad 21 \\ \times \quad 9 \\ \hline \end{array}$$

$$\begin{array}{r} 22. \quad 32 \\ \times \quad 9 \\ \hline \end{array}$$

$$\begin{array}{r} 23. \quad 62 \\ \times \quad 9 \\ \hline \end{array}$$

$$\begin{array}{r} 24. \quad 43 \\ \times \quad 9 \\ \hline \end{array}$$

$$\begin{array}{r} 25. \quad 56 \\ \times \quad 9 \\ \hline \end{array}$$