

## MULTIPLYING LARGER NUMBERS USING THE DISTRIBUTIVE PROPERTY

## ANSWERS

WE CAN USE THE DISTRIBUTIVE PROPERTY TO HELP US SEPARATE LARGER NUMBERS INTO SMALLER PIECES.



$$8 \times 27 = 8 \times (20 + 7)$$

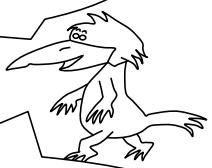
$$8 \times 20 = 160$$

$$+ 8 \times 7 = 56$$

$$8 \times 27 = 216$$

WHEN YOU MULTIPLY  $8 \times 20$ , SOLVE  $8 \times 2$  AND THEN PUT A ZERO AT THE END.

WE CAN CHANGE THE 27 INTO  $(20 + 7)$  AND THEN DISTRIBUTE THE 8 TO BOTH NUMBERS.



DISTRIBUTE MEANS TO DELIVER OR GIVE OUT. SO WE ARE GIVING THE 8 TO THE 20 AND THE 7.

### NOW YOUR TURN.

$6 \times 5 = 30$ , THEN PLACE A ZERO AT THE END

$$\begin{array}{r} 1. \quad 6 \times 52 \\ 6 \times 50 = 300 \\ + 6 \times 2 = 12 \\ \hline 6 \times 52 = 312 \end{array}$$

$$\begin{array}{r} 2. \quad 5 \times 38 \\ 5 \times 30 = 150 \\ + 5 \times 8 = 40 \\ \hline 5 \times 38 = 190 \end{array}$$

$$\begin{array}{r} 3. \quad 9 \times 67 \\ 9 \times 60 = 540 \\ + 9 \times 7 = 63 \\ \hline 9 \times 67 = 603 \end{array}$$

$$\begin{array}{r} 4. \quad 8 \times 36 \\ 8 \times 30 = 240 \\ + 8 \times 6 = 48 \\ \hline 8 \times 36 = 288 \end{array}$$

$$\begin{array}{r} 5. \quad 15 \times 41 \\ 15 \times 40 = 600 \\ + 15 \times 1 = 15 \\ \hline 15 \times 41 = 615 \end{array}$$

$$\begin{array}{r} 6. \quad 40 \times 34 \\ 40 \times 30 = 1,200 \\ + 40 \times 4 = 160 \\ \hline 40 \times 34 = 1,360 \end{array}$$

$$\begin{array}{r} 7. \quad 5 \times 73 \\ 5 \times 70 = 350 \\ + 5 \times 3 = 15 \\ \hline 5 \times 73 = 365 \end{array}$$

$$\begin{array}{r} 8. \quad 8 \times 57 \\ 8 \times 50 = 400 \\ + 8 \times 7 = 56 \\ \hline 8 \times 57 = 456 \end{array}$$

$$\begin{array}{r} 9. \quad 7 \times 43 \\ 7 \times 40 = 280 \\ + 7 \times 3 = 21 \\ \hline 7 \times 43 = 301 \end{array}$$

$$\begin{array}{r} 10. \quad 60 \times 28 \\ 60 \times 20 = 1,200 \\ + 60 \times 8 = 480 \\ \hline 60 \times 28 = 1,680 \end{array}$$

$$\begin{array}{r} 11. \quad 9 \times 91 \\ 9 \times 90 = 810 \\ + 9 \times 1 = 9 \\ \hline 9 \times 91 = 819 \end{array}$$

$$\begin{array}{r} 12. \quad 4 \times 112 \\ 4 \times 100 = 400 \\ + 4 \times 12 = 48 \\ \hline 4 \times 112 = 448 \end{array}$$

$$\begin{array}{r} 13. \quad 7 \times 84 \\ 7 \times 80 = 560 \\ + 7 \times 4 = 28 \\ \hline 7 \times 84 = 588 \end{array}$$

$$\begin{array}{r} 14. \quad 6 \times 28 \\ 6 \times 20 = 120 \\ + 6 \times 8 = 48 \\ \hline 6 \times 28 = 168 \end{array}$$

$$\begin{array}{r} 15. \quad 5 \times 39 \\ 5 \times 30 = 150 \\ + 5 \times 9 = 45 \\ \hline 5 \times 39 = 195 \end{array}$$