

Pattern of Nines



Nines are easy if you remember this simple rule:
The number in the tens' place is one less than the factor,
and the numbers in the product add up to nine.



$9 \times 4 = 36$ 3 is one less than the factor 4 3 plus 6 equals 9	$9 \times 9 = 81$ 8 is one less than the factor 9 8 plus 1 equals 9
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Practice this pattern. First write the number that is one less than the factor being multiplied by nine. Then ask yourself, "This number plus WHAT equals nine?" Write that number in the ones' place. Check each answer: Do the numbers in the product add up to nine?

$9 \times 7 =$

$9 \times 5 =$

$9 \times 4 =$

$9 \times 3 =$

$9 \times 8 =$

$9 \times 6 =$

$9 \times 2 =$

$9 \times 9 =$



How fast are you now?

$$\begin{array}{r} 3 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$$

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

$$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$$

