



Let's Learn!

Shortcut Method for Multiplying 6, 7, 8 and 9

1 $6 \times 6 = ?$

Start with 5 groups of 6.

$$5 \times 6 = 30$$

6×6 is 6 groups of 6.

It is '1 group of 6' more than ' 5×6 '.

$$6 \times 6 = 30 + 6$$

$$= 36$$

6×6 is the same as adding 1 group of 6 to 30.



2 $6 \times 7 = ?$

6×7 is 6 groups of 7.

It is '1 group of 7' more than ' 5×7 '.

$$6 \times 7 = 35 + 7$$

$$= 42$$

Start with 5 groups of 7.

$$5 \times 7 = 35$$

3 $7 \times 9 = ?$

7×9 is 7 groups of 9.

It is '2 groups of 9' more than ' 5×9 '.

$$7 \times 9 = 45 + \square + \square$$

$$= \square$$

Start with 5 groups of 9.

$$\times 9 = 45$$



4 $9 \times 7 = ?$

Start with 10 groups of 7.

$$10 \times 7 = 70$$

$$\begin{aligned}9 \times 7 &= 70 - 7 \\&= 63\end{aligned}$$

9×7 is the same as taking away 1 group of 7 from 70.



5 $9 \times 9 = ?$

9×9 is 9 groups of 9.

$$\begin{aligned}9 \times 9 &= \boxed{} - \boxed{} \\&= \boxed{}\end{aligned}$$

Start with groups of 9.
 $\boxed{} \times 9 = \boxed{90}$

