

# Multiplication-Fact Shortcuts


**Family Note**

Your child is learning the basic multiplication facts. Listen to your child explain multiplication-fact shortcuts as he or she works the problems. Review some 1s, 2s, 5s, and 10s multiplication facts (facts like  $1 \times 3 = ?$ ,  $? = 2 \times 4$ ,  $5 \times 5 = ?$ , and  $10 \times 4 = ?$ ).

*Please return this Home Link to school tomorrow.*



Tell someone at home about multiplication-fact shortcuts.



The turn-around rule:  $3 \times 4 = 12$  helps me know  $4 \times 3 = 12$ .

1.  $2 \times 5 =$  \_\_\_\_\_ and  $5 \times 2 =$  \_\_\_\_\_

2. \_\_\_\_\_ =  $5 \times 3$  and \_\_\_\_\_ =  $3 \times 5$

3.  $10 \times 2 =$  \_\_\_\_\_ and  $2 \times 10 =$  \_\_\_\_\_

If 1 is multiplied by any number, the product is that number.

The same is true if any number is multiplied by 1.

4. \_\_\_\_\_ =  $1 \times 9$  and \_\_\_\_\_ =  $9 \times 1$

5.  $1 \times 90 =$  \_\_\_\_\_ and  $90 \times 1 =$  \_\_\_\_\_

6.  $365 \times 1 =$  \_\_\_\_\_ and  $1 \times 365 =$  \_\_\_\_\_

If 0 is multiplied by any number, the product is 0.

The same is true if any number is multiplied by 0.

7.  $0 \times 12 =$  \_\_\_\_\_ and  $12 \times 0 =$  \_\_\_\_\_

8.  $99 \times 0 =$  \_\_\_\_\_ and  $0 \times 99 =$  \_\_\_\_\_

9. \_\_\_\_\_ =  $9,365 \times 0$  and \_\_\_\_\_ =  $0 \times 9,365$

Think about counting by 2s, 5s, and 10s.

10.  $\begin{array}{r} 10 \\ \times 2 \\ \hline \end{array}$

11.  $\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$

12.  $\begin{array}{r} 9 \\ \times 2 \\ \hline \end{array}$

13.  $\begin{array}{r} 2 \\ \times 7 \\ \hline \end{array}$

14.  $\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$

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