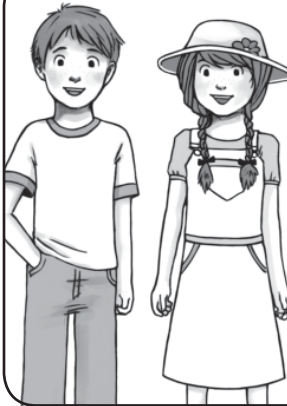


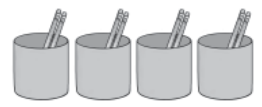
# Multiply with 2 & 5; Commutative Property

Name \_\_\_\_\_

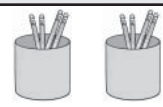


You can think of a multiplication fact 2 ways.

**Commutative Property of Multiplication:**  
The order of factors can be changed without changing the product.

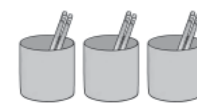





$4 \times 2 = 8$   
sets in each set total



$2 \times 4 = 8$   
sets in each set total

Use the Commutative Property to write the related multiplication fact.

1.  $3 \times 2 = \underline{\quad}$       2.  $4 \times 5 = \underline{\quad}$  

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$        $\underline{\quad} \times \underline{\quad} = \underline{\quad}$  

<p>When 2 is a factor, you can double the other factor.</p> <div style="display: flex; align-items: center;"> <div style="text-align: center;"> <math display="block">\begin{array}{r} 2 \\ \times 6 \\ \hline 12 \end{array}</math> </div> <div style="margin-left: 20px;"> <math display="block">\begin{array}{r} 6 \\ + 6 \\ \hline 12 \end{array}</math> </div> </div>	<p>When 2 is a factor, you can count by 2s.</p> <div style="display: flex; align-items: center;"> <div style="text-align: center;"> <math display="block">\begin{array}{r} 2 \\ \times 6 \\ \hline 12 \end{array}</math> </div> <div style="margin-left: 20px; border: 1px solid black; border-radius: 50%; padding: 5px;"> <p>Count by 2s: 2, 4, 6, 8, 10, 12</p> </div> </div>	<p>When 5 is a factor, you can count by 5s.</p> <div style="display: flex; align-items: center;"> <div style="text-align: center;"> <math display="block">\begin{array}{r} 5 \\ \times 6 \\ \hline 30 \end{array}</math> </div> <div style="margin-left: 20px;"> <p>Count by 5s: 5, 10, 15, 20, 25, 30</p> </div> </div>
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Multiply. Write the product.

3.  $\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$      4.  $\begin{array}{r} 2 \\ \times 7 \\ \hline \end{array}$      5.  $\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$      6.  $\begin{array}{r} 2 \\ \times 8 \\ \hline \end{array}$      7.  $\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$      8.  $\begin{array}{r} 2 \\ \times 5 \\ \hline \end{array}$

Use the *count by* strategy. Write the product.

9.  $5 \times 2 = \underline{\quad}$      10.  $3 \times 5 = \underline{\quad}$      11.  $3 \times 2 = \underline{\quad}$

Draw a picture to solve.

12. Steve needed to make 4 rows of 5 chairs. How many chairs did he need?

picture space