

Name: \_\_\_\_\_

## Multiplication with Arrays

You can find the answer to basic multiplication facts by making a symbol picture called an array.

An array is a group of symbols arranged in straight rows and columns.

x x x x x x x

x x x x x x x

x x x x x x x

3 rows of 7 symbols equals 21 symbols.

$$3 \times 7 = 21$$

Draw an array to find the answer to each multiplication fact below. Be sure you draw your symbols in neat, straight rows and columns.

$4 \times 5 = \underline{\hspace{2cm}}$

$6 \times 4 = \underline{\hspace{2cm}}$

$3 \times 8 = \underline{\hspace{2cm}}$

$3 \times 9 = \underline{\hspace{2cm}}$

$5 \times 8 = \underline{\hspace{2cm}}$

$7 \times 4 = \underline{\hspace{2cm}}$

$4 \times 9 = \underline{\hspace{2cm}}$

$5 \times 5 = \underline{\hspace{2cm}}$

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**ANSWER KEY**

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$4 \times 5 = \underline{20}$

x x x x x  
x x x x x  
x x x x x  
x x x x x

$6 \times 4 = \underline{24}$

x x x x  
x x x x  
x x x x  
x x x x  
x x x x

$3 \times 8 = \underline{24}$

x x x x x x x x  
x x x x x x x x  
x x x x x x x x

$3 \times 9 = \underline{27}$

x x x x x x x x x  
x x x x x x x x x  
x x x x x x x x x

$5 \times 8 = \underline{40}$

x x x x x x x x  
x x x x x x x x  
x x x x x x x x  
x x x x x x x x  
x x x x x x x x

$7 \times 4 = \underline{28}$

x x x x  
x x x x  
x x x x  
x x x x  
x x x x  
x x x x  
x x x x

$4 \times 9 = \underline{36}$

x x x x x x x x x  
x x x x x x x x x  
x x x x x x x x x  
x x x x x x x x x

$5 \times 5 = \underline{25}$

x x x x x  
x x x x x  
x x x x x  
x x x x x  
x x x x x