

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.

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

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

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

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

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

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

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

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

ANSWER KEY

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   3 rows of 7 symbols equals 21 symbols.
x x x x x x x   3 x 7 = 21
```

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

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

```
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
```