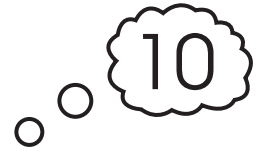


Number Line



# Multiplication Strategies

## Make 10 Subtract the Factor Strategy for 9s



**Step 1.)** Think of 9 as 10.

**Step 2.)** Multiply 10 times the other factor.

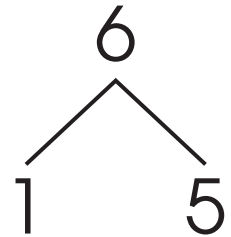
**Step 3.)** Subtract the other factor.

## Break Apart Strategy for 6s

**Step 1.)** Break apart 6 to 1 and 5.

**Step 2.)** Multiply 1 and 5 by the other factor.

**Step 3.)** Add the products together.

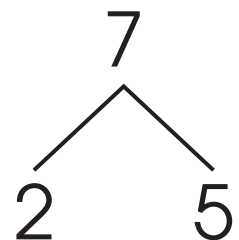


## Break Apart Strategy for 7s

**Step 1.)** Break apart 7 to 2 and 5.

**Step 2.)** Multiply 2 and 5 by the other factor.

**Step 3.)** Add the products together.



## Doubling Strategy for 4s

**Step 1.)** Think of 4 as  $2 \times 2$ .

**Step 2.)** Double the other factor.

**Step 3.)** Double the product.



**Multiplication Strategies**

**Make 10 Subtract the Factor Strategy for 9s**

**Step 1.)** Think of 9 as 10.

**Step 2.)** Multiply 10 times the other factor.

**Step 3.)** Subtract the other factor.

**Break Apart Strategy for 6s**

**Step 1.)** Break apart 6 to 1 and 5.

**Step 2.)** Multiply 1 and 5 by the other factor

**Step 3.)** Add the products together.

**Break Apart Strategy for 7s**

**Step 1.)** Break apart 7 to 2 and 5.

**Step 2.)** Multiply 2 and 5 by the other factor

**Step 3.)** Add the products together.

**Doubling Strategy for 4s**

**Step 1.)** Think of 4 as  $2 \times 2$ .

**Step 2.)** Double the other factor.

**Step 3.)** Double the product.

The Meadows Center for Preventing Educational Risk—Mathematics Institute  
The University of Texas at Austin  
©2012 University of Texas System/Texas Education Agency

**Multiplication Strategies**

**Make 10 Subtract the Factor Strategy for 9s**

**Step 1.)** Think of 9 as 10.

**Step 2.)** Multiply 10 times the other factor.

**Step 3.)** Subtract the other factor.

**Break Apart Strategy for 6s**

**Step 1.)** Break apart 6 to 1 and 5.

**Step 2.)** Multiply 1 and 5 by the other factor

**Step 3.)** Add the products together.

**Break Apart Strategy for 7s**

**Step 1.)** Break apart 7 to 2 and 5.

**Step 2.)** Multiply 2 and 5 by the other factor

**Step 3.)** Add the products together.

**Doubling Strategy for 4s**

**Step 1.)** Think of 4 as  $2 \times 2$ .

**Step 2.)** Double the other factor.

**Step 3.)** Double the product.

The Meadows Center for Preventing Educational Risk—Mathematics Institute  
The University of Texas at Austin  
©2012 University of Texas System/Texas Education Agency

**Multiplication Strategies**

**Make 10 Subtract the Factor Strategy for 9s**

**Step 1.)** Think of 9 as 10.

**Step 2.)** Multiply 10 times the other factor.

**Step 3.)** Subtract the other factor.

**Break Apart Strategy for 6s**

**Step 1.)** Break apart 6 to 1 and 5.

**Step 2.)** Multiply 1 and 5 by the other factor

**Step 3.)** Add the products together.

**Break Apart Strategy for 7s**

**Step 1.)** Break apart 7 to 2 and 5.

**Step 2.)** Multiply 2 and 5 by the other factor

**Step 3.)** Add the products together.

**Doubling Strategy for 4s**

**Step 1.)** Think of 4 as  $2 \times 2$ .

**Step 2.)** Double the other factor.

**Step 3.)** Double the product.

The Meadows Center for Preventing Educational Risk—Mathematics Institute  
The University of Texas at Austin  
©2012 University of Texas System/Texas Education Agency

## Doubling Strategy for 4s

**Step 1.)** Think of 4 as  $2 \times 2$ .

**Step 2.)** Double the other factor.

**Step 3.)** Double the product.

## Solving An Unknown Fact Poster

$$\textcircled{4} \times 7$$

**Step 1.)** Look at both factors  $4 \times 7$  and circle the factor you will break apart.

$$\begin{array}{r} 4 \times 7 \\ \swarrow \quad \searrow \\ 2 \times 2 \times 7 \\ 2 \times 14 \\ 28 \end{array}$$

**Step 2.)** Follow the strategy steps.

I know  
 $4 \times 5 = 20$   
 and I know  
 $7 \times 5 = 35$   
 28 looks  
 reasonable

**Step 3.)** Check that the answer makes sense.

# Multiplication Table

<b>×</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
<b>1</b>	1	2	3	4	5	6	7	8	9	10
<b>2</b>	2	4	6	8	10	12	14	16	18	20
<b>3</b>	3	6	9	12	15	18	21	24	27	30
<b>4</b>	4	8	12	16	20	24	28	32	36	40
<b>5</b>	5	10	15	20	25	30	35	40	45	50
<b>6</b>	6	12	18	24	30	36	42	48	54	60
<b>7</b>	7	14	21	28	35	42	49	56	63	70
<b>8</b>	8	16	24	32	40	48	56	64	72	80
<b>9</b>	9	18	27	36	45	54	63	72	81	90
<b>10</b>	10	20	30	40	50	60	70	80	90	100