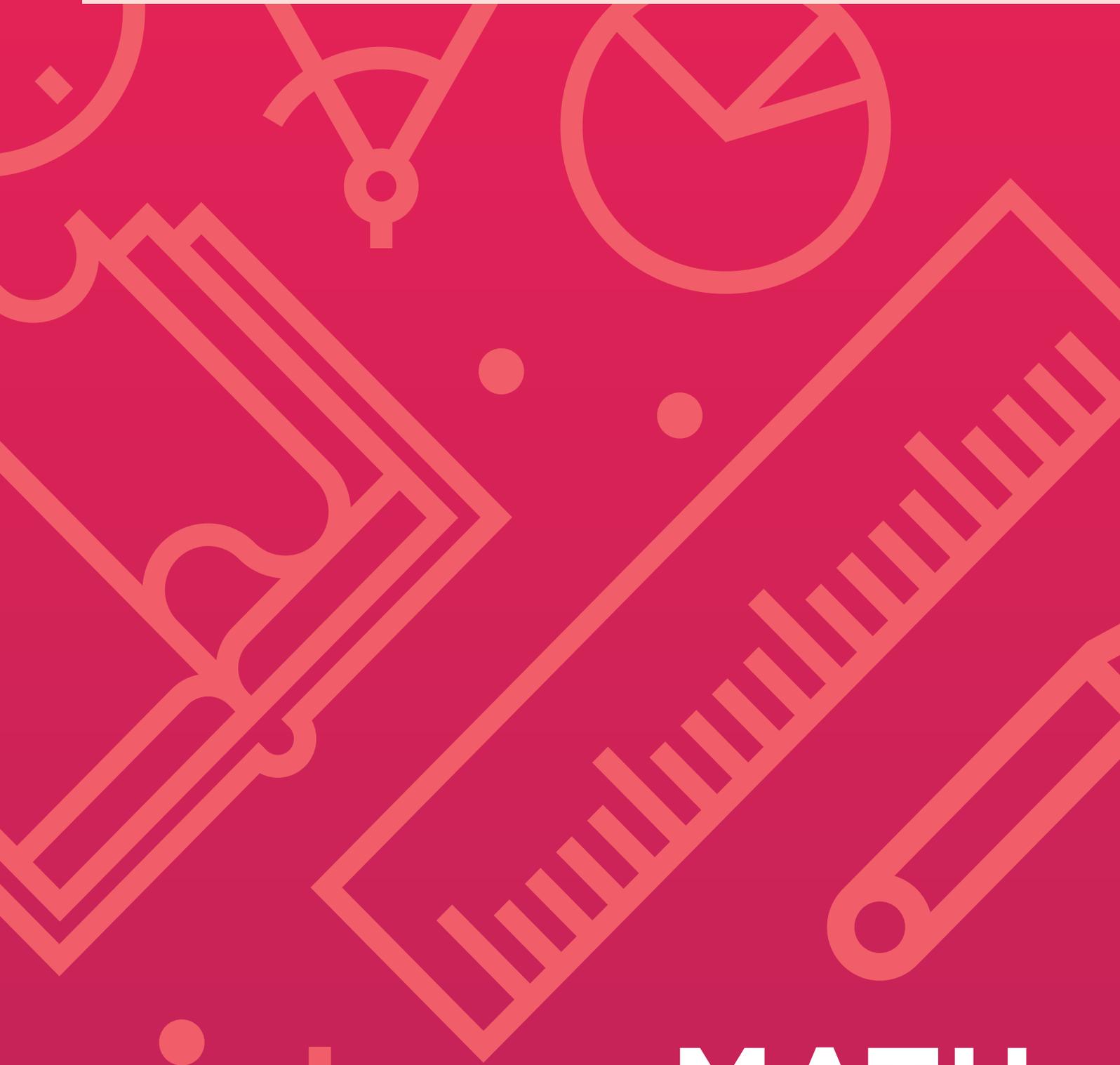




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**MATH**

# COLUMN ADDITION AND ESTIMATION

## MATH 105

Introduction | **1**

<b>1. Columnar Addition</b> .....	<b>2</b>
Adding Three Numbers   <b>5</b>	Self Test 1   <b>8</b>
<b>2. Number Order</b> .....	<b>9</b>
Self Test 2   <b>16</b>	
<b>3. Fractions</b> .....	<b>17</b>
Time to Half-Hour   <b>19</b>	Self Test 3   <b>24</b>
<b>4. Ordinal Numbers</b> .....	<b>25</b>
Charts   <b>27</b>	Self Test 4   <b>29</b>
<b>5. Number Line</b> .....	<b>30</b>
Patterns and Estimation   <b>32</b>	Self Test 5   <b>34</b>
Test   <b>Pullout</b>	



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# COLUMN ADDITION AND ESTIMATION



## Objectives

**Read these objectives.** They will tell what you will be able to do when you have finished this workbook.

1. I can add three numbers in columns.
2. I can write fractions for  $\frac{1}{2}$  and  $\frac{1}{4}$ .
3. I can tell time to the half-hour.
4. I can say ordinal numbers.
5. I can make a chart.
6. I can estimate an answer.

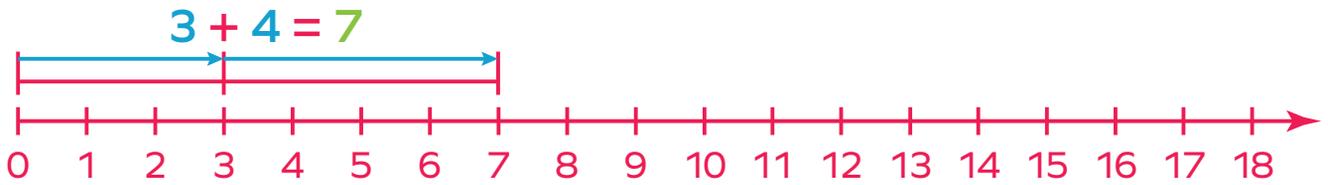
**My name is**

---

---

---

# 1. COLUMNAR ADDITION



Write the number in the .

$$\begin{array}{r} 9 \\ + 1 \\ \hline \square \end{array}$$

$$\begin{array}{r} 6 \\ + 6 \\ \hline \square \end{array}$$

$$\begin{array}{r} 4 \\ + 7 \\ \hline \square \end{array}$$

$$\begin{array}{r} 8 \\ + 2 \\ \hline \square \end{array}$$

$$\begin{array}{r} 9 \\ + 2 \\ \hline \square \end{array}$$

$$\begin{array}{r} 8 \\ + 4 \\ \hline \square \end{array}$$

$$\begin{array}{r} 3 \\ + 8 \\ \hline \square \end{array}$$

$$\begin{array}{r} 6 \\ + 4 \\ \hline \square \end{array}$$

$$\begin{array}{r} 4 \\ + 8 \\ \hline \square \end{array}$$

$$\begin{array}{r} 3 \\ + 7 \\ \hline \square \end{array}$$

$$\begin{array}{r} 9 \\ + 3 \\ \hline \square \end{array}$$

$$\begin{array}{r} 6 \\ + 6 \\ \hline \square \end{array}$$

$$\begin{array}{r} 7 \\ + 5 \\ \hline \square \end{array}$$

$$\begin{array}{r} 8 \\ + 3 \\ \hline \square \end{array}$$

$$\begin{array}{r} 5 \\ + 5 \\ \hline \square \end{array}$$

$$\begin{array}{r} 3 \\ + 9 \\ \hline \square \end{array}$$

$$\begin{array}{r} 7 \\ + 3 \\ \hline \square \end{array}$$

$$\begin{array}{r} 5 \\ + 6 \\ \hline \square \end{array}$$

$$\begin{array}{r} 8 \\ + 4 \\ \hline \square \end{array}$$

$$\begin{array}{r} 2 \\ + 9 \\ \hline \square \end{array}$$

$$\begin{array}{r} 4 \\ + 6 \\ \hline \square \end{array}$$

$$\begin{array}{r} 6 \\ + 5 \\ \hline \square \end{array}$$

$$\begin{array}{r} 1 \\ + 9 \\ \hline \square \end{array}$$

$$\begin{array}{r} 7 \\ + 4 \\ \hline \square \end{array}$$

$$\begin{array}{r} 3 \\ + 7 \\ \hline \square \end{array}$$

$$\begin{array}{r} 7 \\ + 5 \\ \hline \square \end{array}$$

$$\begin{array}{r} 9 \\ + 2 \\ \hline \square \end{array}$$

$$\begin{array}{r} 5 \\ + 5 \\ \hline \square \end{array}$$

$$\begin{array}{r} 3 \\ + 8 \\ \hline \square \end{array}$$

$$\begin{array}{r} 9 \\ + 3 \\ \hline \square \end{array}$$



Write the number in the .

$$\begin{array}{r} 8 \\ + 6 \\ \hline \square \end{array}$$

$$\begin{array}{r} 7 \\ + 7 \\ \hline \square \end{array}$$

$$\begin{array}{r} 6 \\ + 9 \\ \hline \square \end{array}$$

$$\begin{array}{r} 5 \\ + 9 \\ \hline \square \end{array}$$

$$\begin{array}{r} 9 \\ + 4 \\ \hline \square \end{array}$$

$$\begin{array}{r} 7 \\ + 9 \\ \hline \square \end{array}$$

$$\begin{array}{r} 4 \\ + 9 \\ \hline \square \end{array}$$

$$\begin{array}{r} 8 \\ + 5 \\ \hline \square \end{array}$$

$$\begin{array}{r} 9 \\ + 6 \\ \hline \square \end{array}$$

$$\begin{array}{r} 8 \\ + 7 \\ \hline \square \end{array}$$

$$\begin{array}{r} 7 \\ + 6 \\ \hline \square \end{array}$$

$$\begin{array}{r} 9 \\ + 8 \\ \hline \square \end{array}$$

$$\begin{array}{r} 9 \\ + 9 \\ \hline \square \end{array}$$

$$\begin{array}{r} 6 \\ + 7 \\ \hline \square \end{array}$$

$$\begin{array}{r} 8 \\ + 8 \\ \hline \square \end{array}$$

$$\begin{array}{r} 9 \\ + 7 \\ \hline \square \end{array}$$

$$\begin{array}{r} 8 \\ + 9 \\ \hline \square \end{array}$$

$$\begin{array}{r} 7 \\ + 7 \\ \hline \square \end{array}$$

$$\begin{array}{r} 7 \\ + 8 \\ \hline \square \end{array}$$

$$\begin{array}{r} 9 \\ + 5 \\ \hline \square \end{array}$$

$$\begin{array}{r} 6 \\ + 8 \\ \hline \square \end{array}$$

$$\begin{array}{r} 4 \\ + 9 \\ \hline \square \end{array}$$

$$\begin{array}{r} 5 \\ + 8 \\ \hline \square \end{array}$$

$$\begin{array}{r} 8 \\ + 9 \\ \hline \square \end{array}$$

$$\begin{array}{r} 9 \\ + 4 \\ \hline \square \end{array}$$

$$\begin{array}{r} 6 \\ + 9 \\ \hline \square \end{array}$$

$$\begin{array}{r} 7 \\ + 6 \\ \hline \square \end{array}$$

$$\begin{array}{r} 8 \\ + 8 \\ \hline \square \end{array}$$

$$\begin{array}{r} 9 \\ + 6 \\ \hline \square \end{array}$$

$$\begin{array}{r} 8 \\ + 5 \\ \hline \square \end{array}$$

$$\begin{array}{r} 9 \\ + 9 \\ \hline \square \end{array}$$

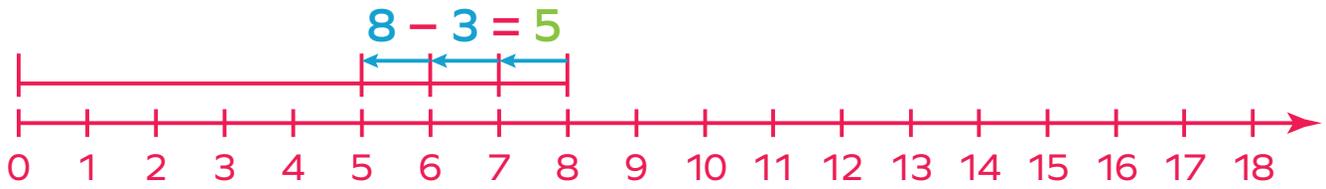
$$\begin{array}{r} 7 \\ + 8 \\ \hline \square \end{array}$$

$$\begin{array}{r} 6 \\ + 7 \\ \hline \square \end{array}$$

$$\begin{array}{r} 5 \\ + 9 \\ \hline \square \end{array}$$

$$\begin{array}{r} 6 \\ + 8 \\ \hline \square \end{array}$$

$$\begin{array}{r} 7 \\ + 9 \\ \hline \square \end{array}$$



Write the number in the .

$$\begin{array}{r} 8 \\ - 7 \\ \hline \square \end{array}$$

$$\begin{array}{r} 5 \\ - 2 \\ \hline \square \end{array}$$

$$\begin{array}{r} 8 \\ - 3 \\ \hline \square \end{array}$$

$$\begin{array}{r} 6 \\ - 4 \\ \hline \square \end{array}$$

$$\begin{array}{r} 7 \\ - 2 \\ \hline \square \end{array}$$

$$\begin{array}{r} 9 \\ - 6 \\ \hline \square \end{array}$$

$$\begin{array}{r} 9 \\ - 9 \\ \hline \square \end{array}$$

$$\begin{array}{r} 9 \\ - 7 \\ \hline \square \end{array}$$

$$\begin{array}{r} 4 \\ - 3 \\ \hline \square \end{array}$$

$$\begin{array}{r} 4 \\ - 2 \\ \hline \square \end{array}$$

$$\begin{array}{r} 7 \\ - 4 \\ \hline \square \end{array}$$

$$\begin{array}{r} 9 \\ - 1 \\ \hline \square \end{array}$$

$$\begin{array}{r} 6 \\ - 1 \\ \hline \square \end{array}$$

$$\begin{array}{r} 7 \\ - 3 \\ \hline \square \end{array}$$

$$\begin{array}{r} 2 \\ - 1 \\ \hline \square \end{array}$$

$$\begin{array}{r} 4 \\ - 1 \\ \hline \square \end{array}$$

$$\begin{array}{r} 6 \\ - 3 \\ \hline \square \end{array}$$

$$\begin{array}{r} 8 \\ - 2 \\ \hline \square \end{array}$$

$$\begin{array}{r} 7 \\ - 0 \\ \hline \square \end{array}$$

$$\begin{array}{r} 3 \\ - 2 \\ \hline \square \end{array}$$

$$\begin{array}{r} 5 \\ - 5 \\ \hline \square \end{array}$$

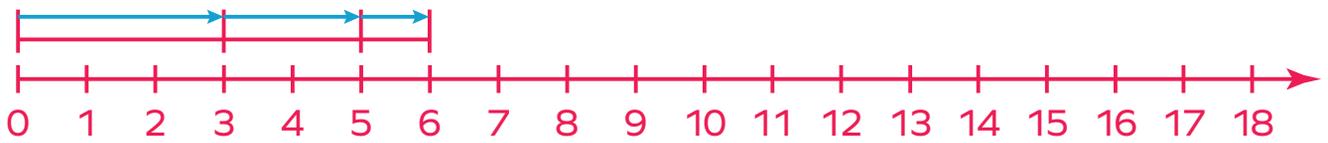
$$\begin{array}{r} 1 \\ - 1 \\ \hline \square \end{array}$$

$$\begin{array}{r} 7 \\ - 6 \\ \hline \square \end{array}$$

$$\begin{array}{r} 9 \\ - 5 \\ \hline \square \end{array}$$

# Adding Three Numbers

$$3 + 2 + 1 = 6$$



Add down.

$$\begin{array}{r} 3 \\ 2 \\ + 1 \\ \hline \end{array} \begin{array}{l} > 5 \\ \\ \\ \end{array}$$

$$1 + 2 + 3 = 6$$



Add up.

$$\begin{array}{r} \boxed{6} \\ 3 \\ 2 \\ + 1 \\ \hline \end{array} \begin{array}{l} \\ > 3 \\ \\ \\ \end{array}$$



Add the numbers down and up.

$$\begin{array}{r} \boxed{8} \\ 1 \\ 5 \\ + 2 \\ \hline \end{array} \begin{array}{r} \boxed{8} \\ \\ \\ \end{array}$$

$$\begin{array}{r} \boxed{\phantom{00}} \\ 4 \\ 1 \\ + 2 \\ \hline \end{array} \begin{array}{r} \boxed{\phantom{00}} \\ \\ \\ \end{array}$$

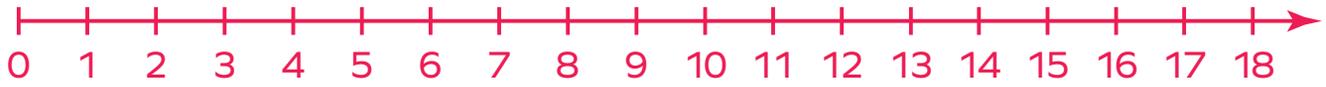
$$\begin{array}{r} \boxed{\phantom{00}} \\ 2 \\ 2 \\ + 1 \\ \hline \end{array} \begin{array}{r} \boxed{\phantom{00}} \\ \\ \\ \end{array}$$

$$\begin{array}{r} \boxed{\phantom{00}} \\ 3 \\ 3 \\ + 1 \\ \hline \end{array} \begin{array}{r} \boxed{\phantom{00}} \\ \\ \\ \end{array}$$

$$\begin{array}{r} \boxed{\phantom{00}} \\ 2 \\ 1 \\ + 5 \\ \hline \end{array} \begin{array}{r} \boxed{\phantom{00}} \\ \\ \\ \end{array}$$

$$\begin{array}{r} \boxed{\phantom{00}} \\ 2 \\ 4 \\ + 4 \\ \hline \end{array} \begin{array}{r} \boxed{\phantom{00}} \\ \\ \\ \end{array}$$



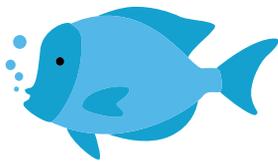


Add the numbers down and up.

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
1	4	2	1	3	4
2	1	3	6	1	4
+ 2	+ 3	+ 1	+ 2	+ 2	+ 2
<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
7	5	2	2	1	4
2	3	4	1	2	3
+ 1	+ 2	+ 1	+ 2	+ 3	+ 1
<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

There are 3 blue fish, 2 orange fish, and 4 red fish in a fish tank. How many fish are there in all?

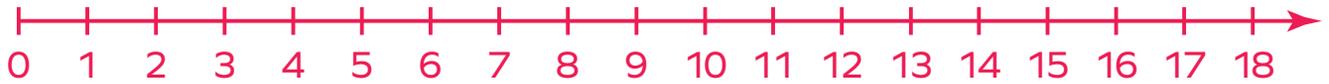


$$\begin{array}{r}
 + \\
 \hline
 \square
 \end{array}$$

A student drew 1 triangle, 5 squares, and 4 circles on a piece of paper. How many shapes did the student draw altogether?



$$\begin{array}{r}
 + \\
 \hline
 \square
 \end{array}$$



Add the numbers down and up.

$$\begin{array}{r}
 \boxed{11} \\
 8 \quad \langle 6 \\
 \quad \quad 2 \rangle 5 \\
 + 3 \\
 \hline
 \boxed{11}
 \end{array}$$

$$\begin{array}{r}
 \square \\
 \quad \langle 5 \\
 \quad \quad 5 \rangle \\
 + 3 \\
 \hline
 \square
 \end{array}$$

$$\begin{array}{r}
 \square \\
 \quad \langle 9 \\
 \quad \quad 1 \rangle \\
 + 0 \\
 \hline
 \square
 \end{array}$$

$$\begin{array}{r}
 \square \\
 \quad \langle 3 \\
 \quad \quad 6 \rangle \\
 + 4 \\
 \hline
 \square
 \end{array}$$

$$\begin{array}{r}
 \square \\
 \quad \langle 1 \\
 \quad \quad 8 \rangle \\
 + 4 \\
 \hline
 \square
 \end{array}$$

$$\begin{array}{r}
 \square \\
 \quad \langle 2 \\
 \quad \quad 6 \rangle \\
 + 3 \\
 \hline
 \square
 \end{array}$$

$$\begin{array}{r}
 \square \\
 \quad \langle 8 \\
 \quad \quad 3 \rangle \\
 + 2 \\
 \hline
 \square
 \end{array}$$

$$\begin{array}{r}
 \square \\
 \quad \langle 6 \\
 \quad \quad 2 \rangle \\
 + 6 \\
 \hline
 \square
 \end{array}$$



**Before you take the Self Test, study what you have read and done.** The Self Test will check what you remember.

## SELF TEST 1

Each answer = 1 point

Add down and up.

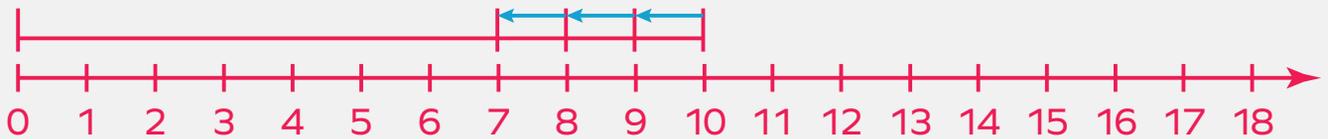
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
4	4	6	5	2	1
2	3	5	5	6	0
+ 1	+ 1	+ 1	+ 3	+ 3	+ 9
<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Ralph went to the zoo and saw 4 tigers, 6 elephants, and 5 zebras. How many total animals did he see?

\_\_\_\_\_ animals +  

---

Write the numbers in the number sentence.



\_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_



Teacher Check

\_\_\_\_\_  
Initial      Date



**My Score**



TM

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