

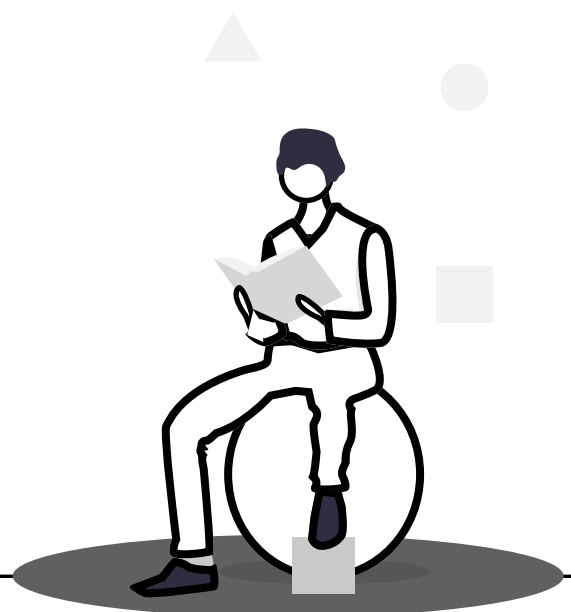
Building Blocks Addition

Lesson 1 - What is Addition?

Lesson 2 - Number Line Addition

Lesson 3 - Addition Table and Tips & Tricks

Lesson 4 - Fill in the Blank Addition



Name: _____

Pre-Assessment

Please solve the following addition questions to the best of your abilities.

1) $1 + 6 = \underline{\quad}$

2) $0 + 5 = \underline{\quad}$

3) $9 + 5 = \underline{\quad}$

4) $3 + 2 = \underline{\quad}$

5) $5 + 2 = \underline{\quad}$

6) $6 + 8 = \underline{\quad}$

7) $0 + 3 = \underline{\quad}$

8) $6 + 7 = \underline{\quad}$

9) $4 + 9 = \underline{\quad}$

10) $5 + 6 = \underline{\quad}$

11) $2 + 7 = \underline{\quad}$

12) $4 + 9 = \underline{\quad}$

Lesson 1 - What is Addition?

Lesson 1

Definition- Addition is the process of finding the total of two or more numbers or amounts

Addition Sign- The addition sign is represented by a cross shape like the sign shown below



How to Think About Addition?

- In addition, you want to think of grouping or putting together two or more objects
- For example, when trying to figure out $2 + 2$, you can think of having two oranges and two apples, then putting them together (**adding**) in one basket for the total of 4 oranges and apples in the basket

Key Words that Signal Addition in Word Problems

Some key words that you will see in word problems that signal that you need to do addition are:

Addition

Plus

Add

Sum

Increase

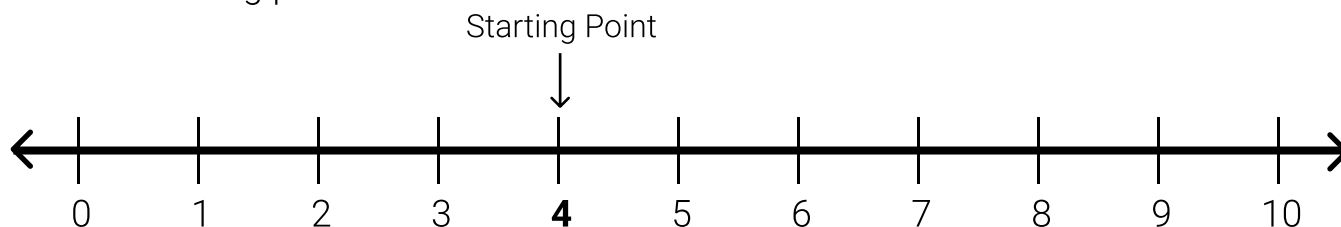
Total



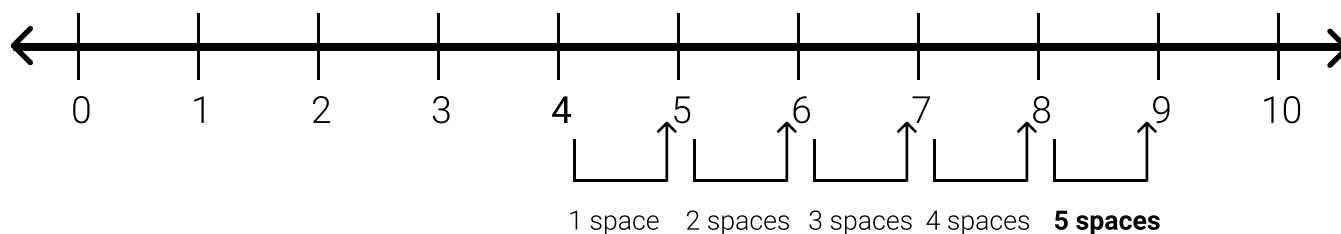
Lesson 2 - Number Line Addition

Example #1: Let's say that we start at the number **4** and have to move **5** spaces to the right. Where do we end up?

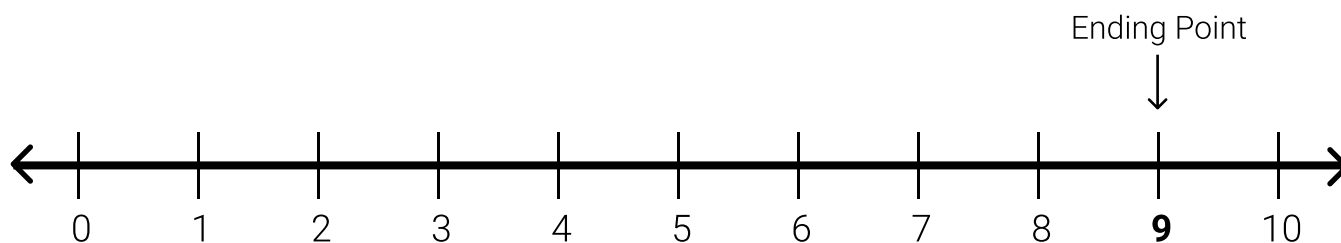
1) Find the starting point



2) From 4 (our starting point), count 5 spaces to the right



3) After counting 5 spaces, what's the number that we landed on?



Let's Think About It

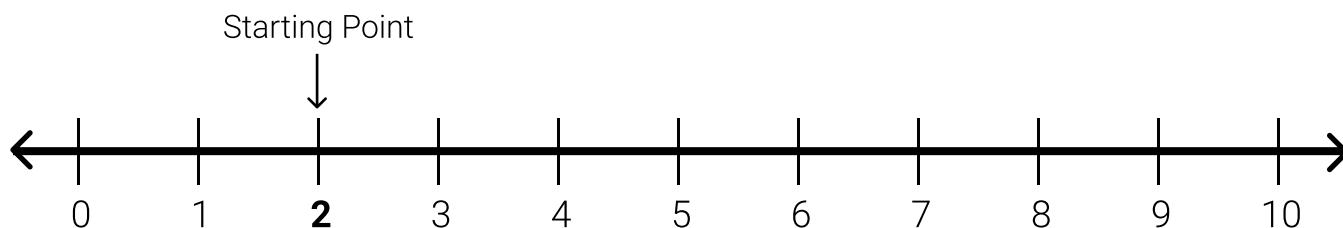
So we started at 4, moved (**added**) 5 spaces, and ended up at 9. What's another way to write that?

$$4 + 5 = 9$$

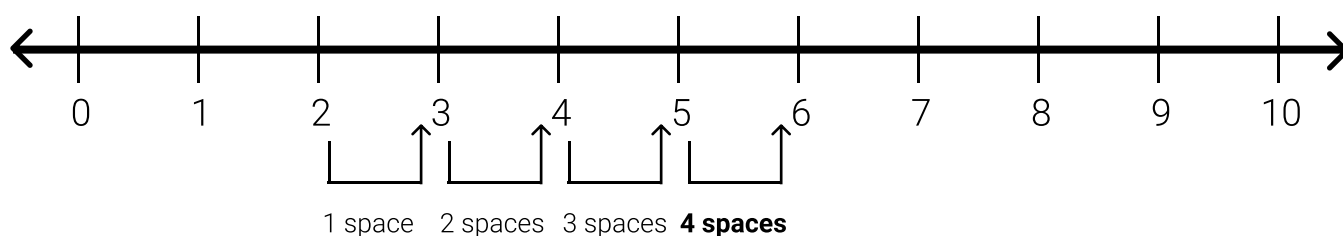
Starting Point Spaces Moved Ending Point

Example #2: Let's say that we start at the number **2** and have to move **4** spaces to the right. Where do we end up?

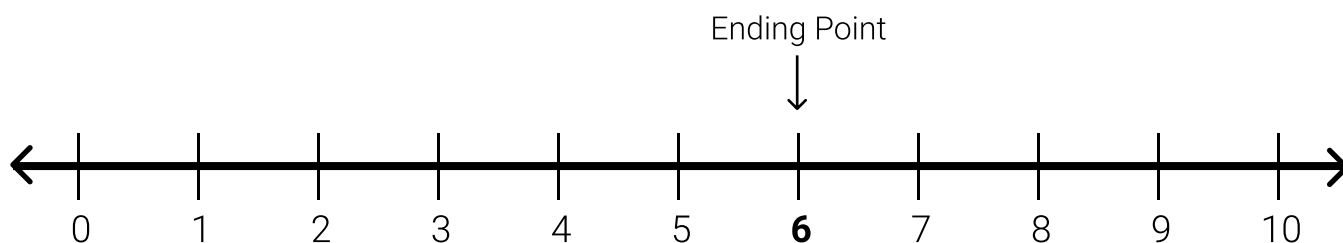
1) Find the starting point



2) From 2 (our starting point), count 4 spaces to the right



3) After counting 4 spaces, what's the number that we landed on?



Let's Think About It

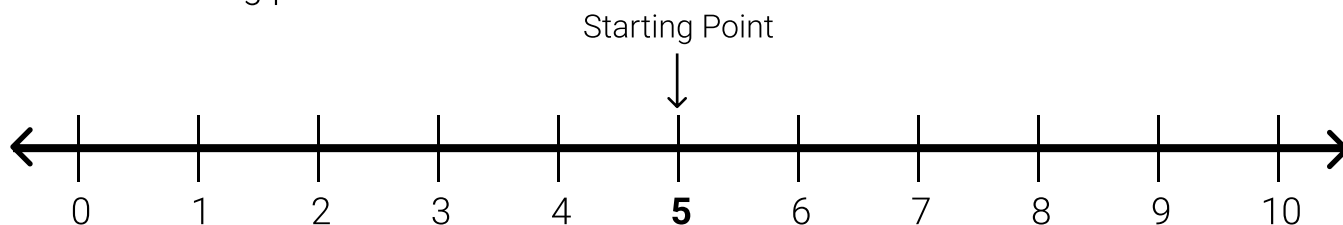
So we started at 2, moved (**added**) 4 spaces, and ended up at 6. What's another way to write that?

$$2 + 4 = 6$$

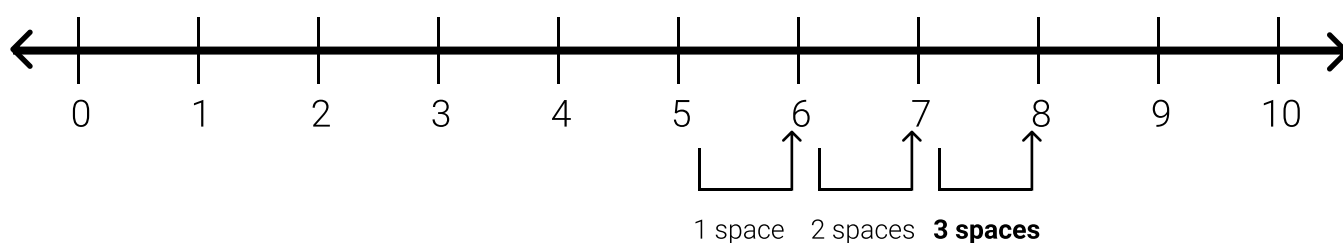
Starting Point Spaces Moved Ending Point

Example #3: What's $5 + 3$?

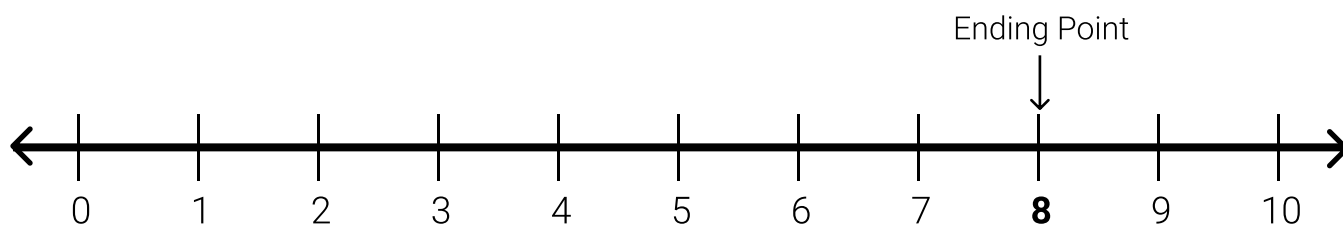
1) Find the starting point



2) From 5 (our starting point), count 3 spaces to the right



3) After counting 3 spaces, what's the number that we landed on?

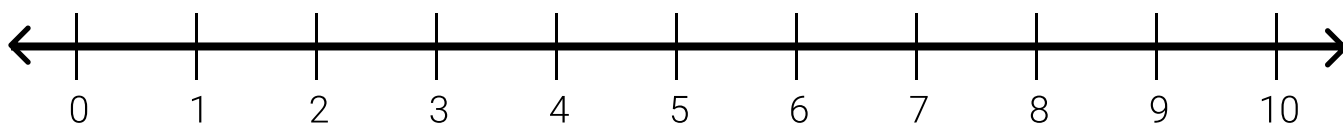


4) What is $5 + 3$?

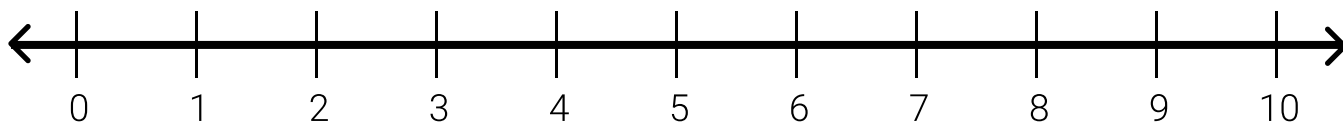
$$5 + 3 = \underline{\underline{8}}$$

In-Class Exercises: Use the number line addition method to answer the following questions.

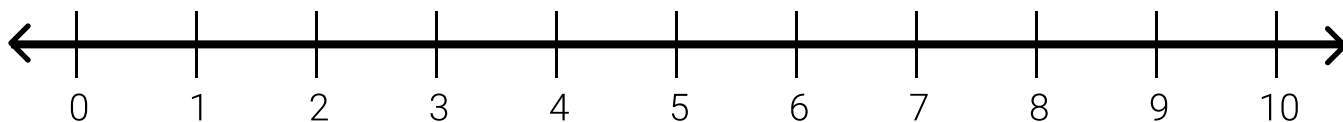
1) $2 + 5 = ?$



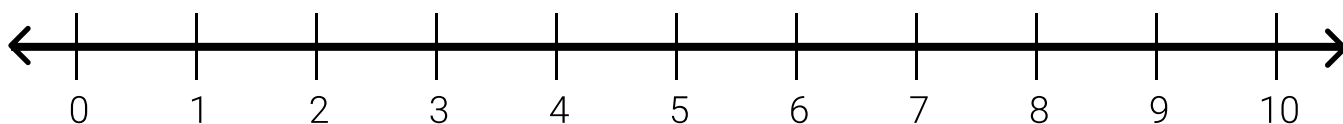
2) $6 + 3 = ?$



3) $1 + 7 = ?$

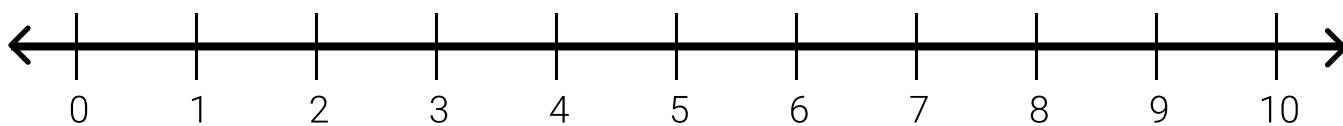


4) $3 + 6 = ?$

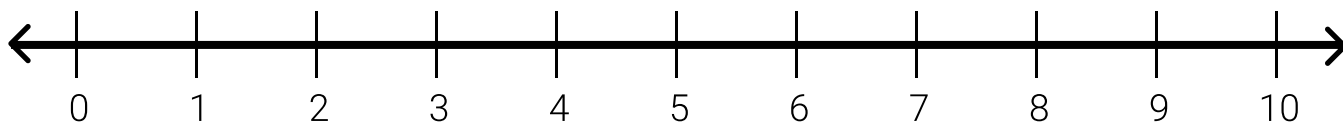


In-Class Exercises (continued):

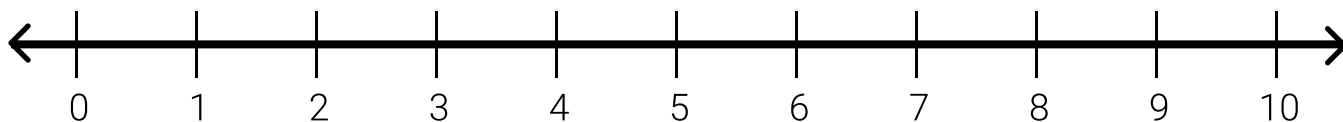
5) $3 + 4 = ?$



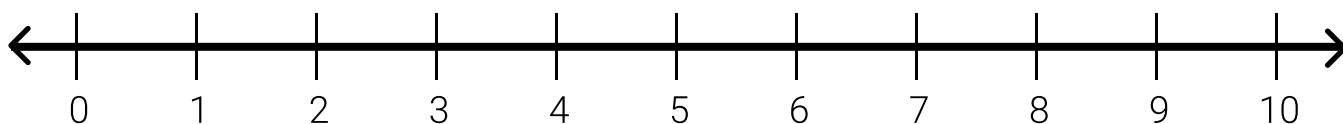
6) $7 + 2 = ?$



7) $5 + 4 = ?$

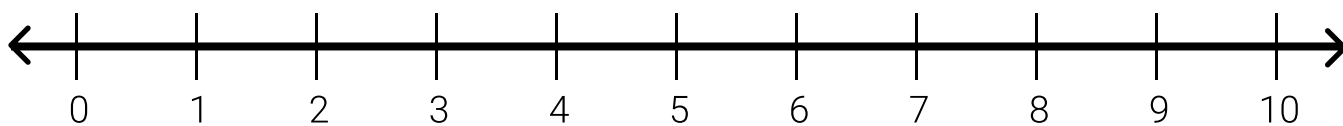


8) $8 + 1 = ?$

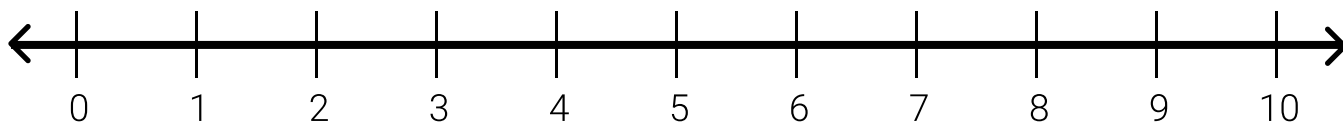


In-Class Exercises (continued):

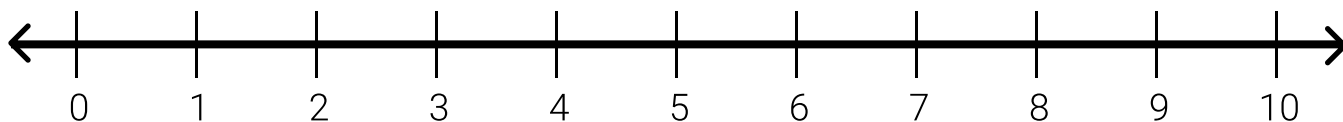
9) $7 + 0 = ?$



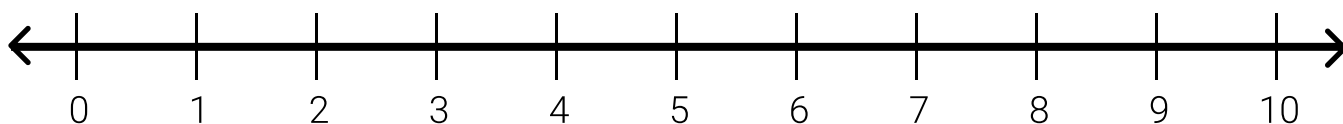
10) $2 + 2 = ?$



11) $2 + 4 = ?$



12) $3 + 3 = ?$



Lesson 3 - Addition Table & Review

The below addition table can be used to help you as you learn how to add.

Please study the provided addition table as you will be tested on the contents of the table.

Note: This sign lets you know what process the table represents. Later on, we'll see that there is also a subtraction table, multiplication table, and a division table, so it's important to keep this in mind



+	0	1	2	3	4	5	6	7	8	9	10
0	0	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10	11
2	2	3	4	5	6	7	8	9	10	11	12
3	3	4	5	6	7	8	9	10	11	12	13
4	4	5	6	7	8	9	10	11	12	13	14
5	5	6	7	8	9	10	11	12	13	14	15
6	6	7	8	9	10	11	12	13	14	15	16
7	7	8	9	10	11	12	13	14	15	16	17
8	8	9	10	11	12	13	14	15	16	17	18
9	9	10	11	12	13	14	15	16	17	18	19
10	10	11	12	13	14	15	16	17	18	19	20

Example #1: What does $3 + 5$ equal? Please solve using the addition table provided below.

1) Start at 3rd row

2) Next, from the 3rd row move over to the 5th column

+	0	1	2	3	4	5	6	7	8	9	10
0	0	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10	11
2	2	3	4	5	6	7	8	9	10	11	12
3	3	4	5	6	7	8	9	10	11	12	13
4	4	5	6	7	8	9	10	11	12	13	14
5	5	6	7	8	9	10	11	12	13	14	15
6	6	7	8	9	10	11	12	13	14	15	16
7	7	8	9	10	11	12	13	14	15	16	17
8	8	9	10	11	12	13	14	15	16	17	18
9	9	10	11	12	13	14	15	16	17	18	19
10	10	11	12	13	14	15	16	17	18	19	20

Therefore, we know that:

$$3 + 5 = \underline{\underline{8}}$$

Example #1 (Continued): What's another way to solve this problem using the addition table?

1) Start at 5th row

2) Next, from the 5th row move over to the 3rd column

+	0	1	2	3	4	5	6	7	8	9	10
0	0	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10	11
2	2	3	4	5	6	7	8	9	10	11	12
3	3	4	5	6	7	8	9	10	11	12	13
4	4	5	6	7	8	9	10	11	12	13	14
5	5	6	7	8	9	10	11	12	13	14	15
6	6	7	8	9	10	11	12	13	14	15	16
7	7	8	9	10	11	12	13	14	15	16	17
8	8	9	10	11	12	13	14	15	16	17	18
9	9	10	11	12	13	14	15	16	17	18	19
10	10	11	12	13	14	15	16	17	18	19	20

Therefore, we know that:

$$3 + 5 = \underline{8}$$

In-Class Exercises: Use the addition table on the Lesson 3 cover page to solve the following problems.

1) $7 + 4 =$ _____

2) $8 + 6 =$ _____

3) $1 + 10 =$ _____

4) $9 + 4 =$ _____

5) $7 + 5 =$ _____

6) $8 + 8 =$ _____

In-Class Exercises (continued):

7) $0 + 4 =$ _____

8) $7 + 8 =$ _____

9) $4 + 7 =$ _____

10) $3 + 10 =$ _____

11) $7 + 5 =$ _____

12) $4 + 9 =$ _____

In-Class Exercises (continued):

13) $8 + 4 =$ _____

14) $7 + 0 =$ _____

15) $6 + 5 =$ _____

16) $9 + 6 =$ _____

17) $3 + 5 =$ _____

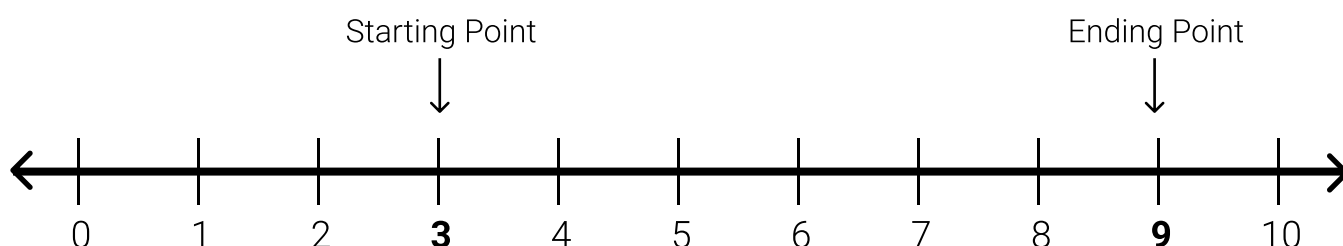
18) $2 + 9 =$ _____

Lesson 4 - Fill in the Blank Addition

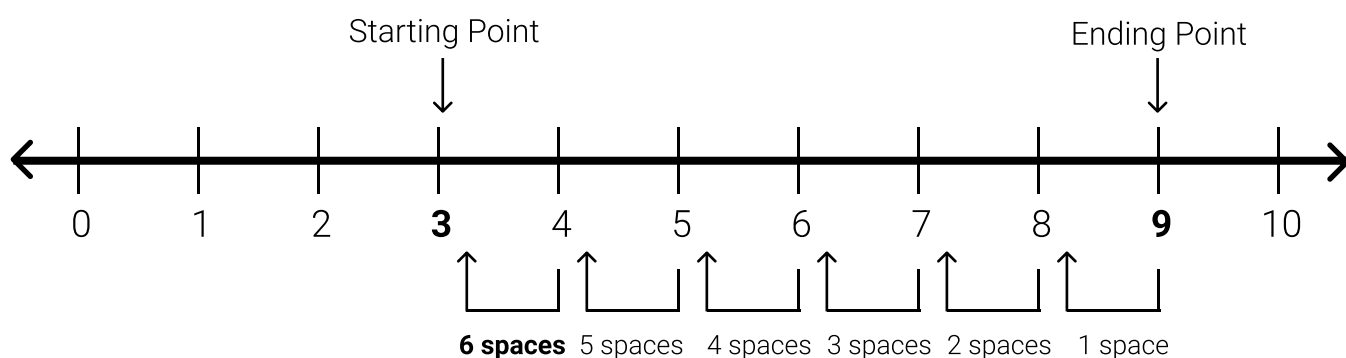
Example #1: What number makes the equation below true?

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

1) Let's start by plotting our starting and ending point on the number line



2) Starting from the ending point, count how many spaces are between the starting point and ending point



3) The number of spaces between 3 and 9 is **6 spaces**. Therefore:

$$3 + \underline{\mathbf{6}} = 9$$

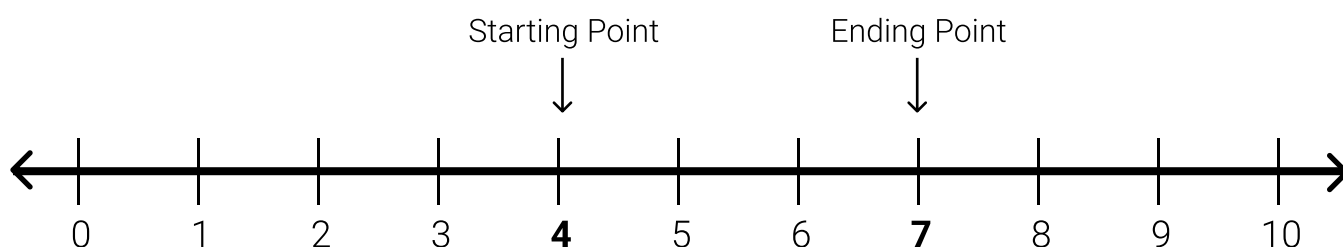
Starting Point Ending Point

Number of Spaces in Between

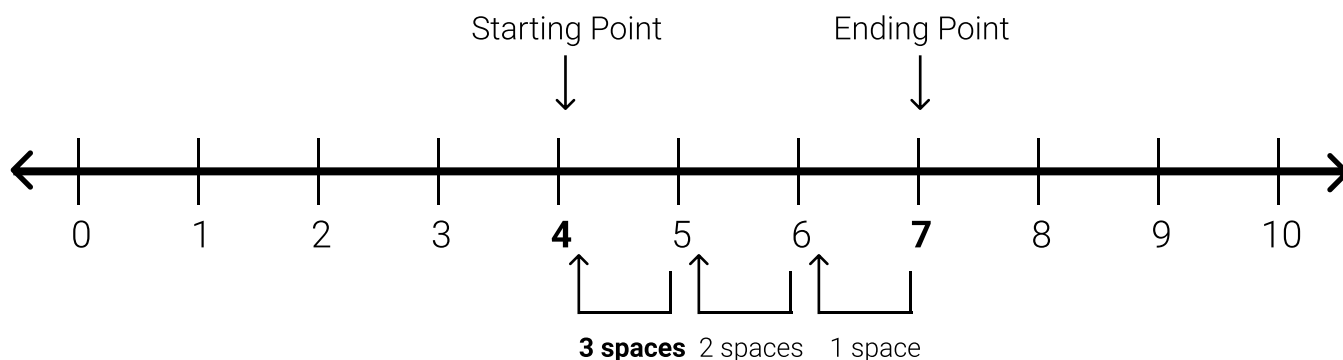
Example #2: What number is missing in the below equation?

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

1) Let's start by plotting our starting and ending point on the number line



2) Starting from the ending point, count how many spaces are between the starting point and ending point



3) The number of spaces between 4 and 7 is 3 **spaces**. Therefore:

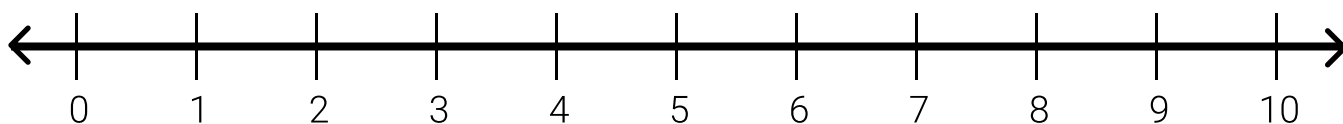
$$4 + \underline{\mathbf{3}} = 7$$

Starting Point Ending Point

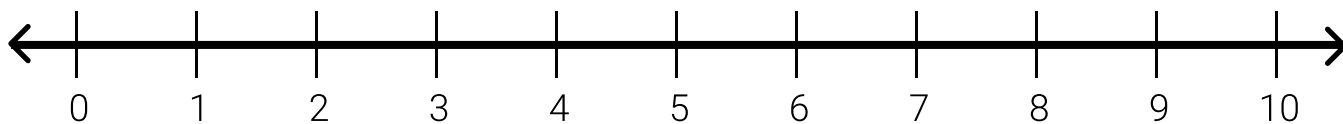
Number of Spaces in Between

In-Class Exercises: Use the fill in the blank addition method to answer the following questions.

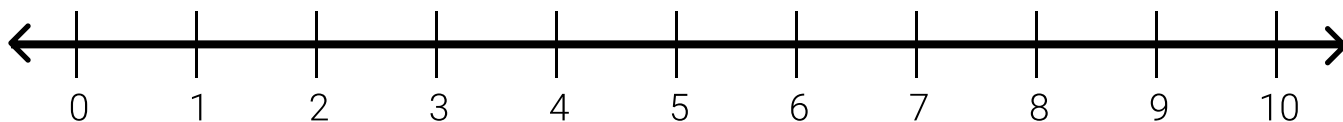
1) $2 + ? = 7$



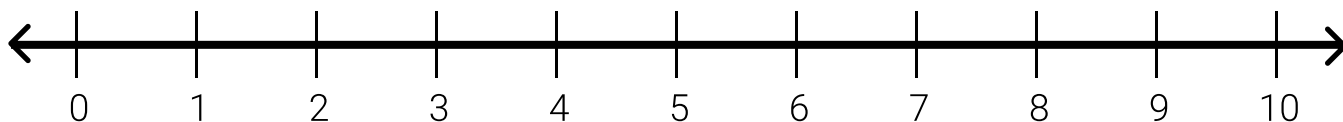
2) $? + 3 = 8$



3) $1 + ? = 6$

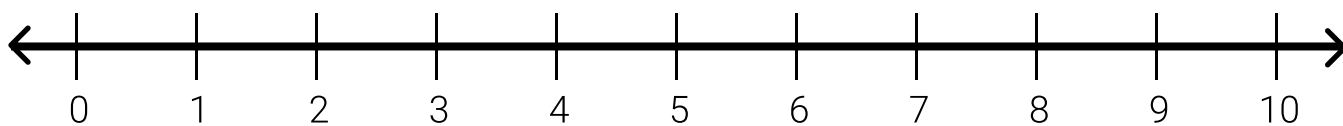


4) $5 + ? = 9$

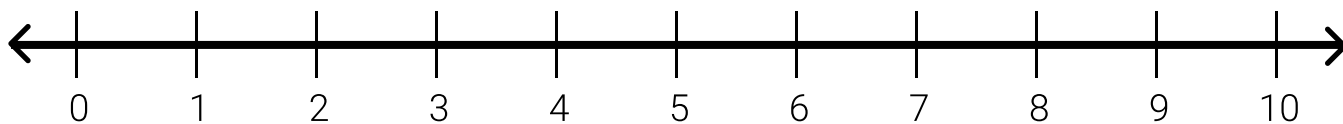


In-Class Exercises (continued):

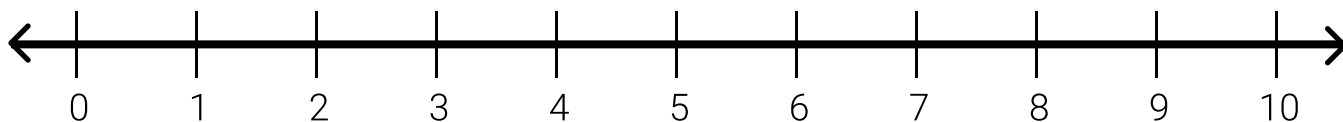
5) $10 + ? = 10$



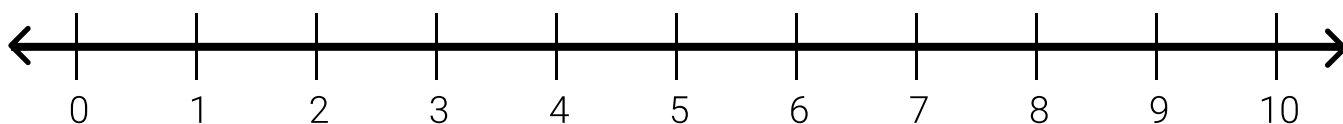
6) $? + 0 = 7$



7) $2 + ? = 8$

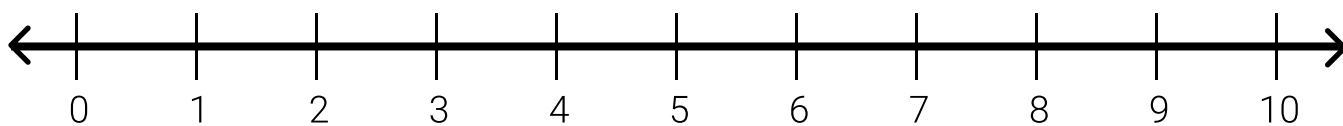


8) $5 + ? = 6$

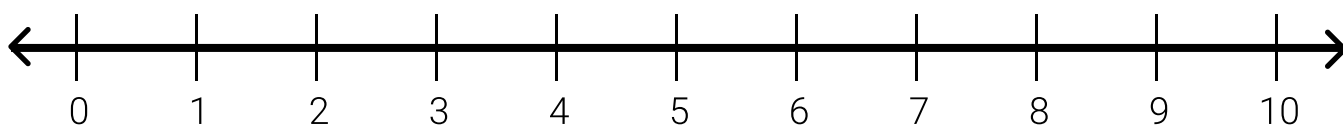


In-Class Exercises (continued):

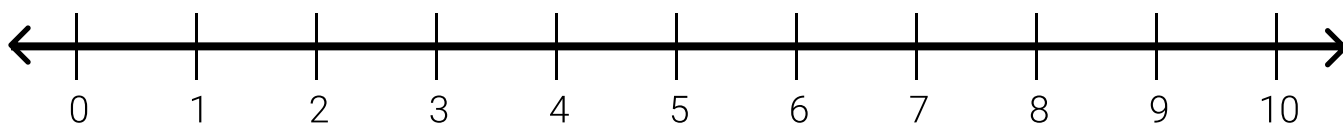
9) $0 + ? = 0$



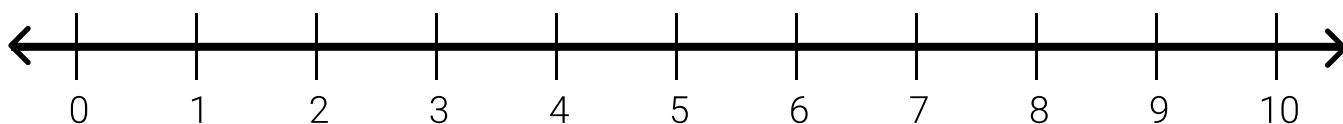
10) $? + 3 = 6$



11) $2 + ? = 8$



12) $4 + ? = 7$



Addition Quiz

Please solve the following addition questions using any method. You have 10 minutes to complete the below.

1) $7 + 6 = \underline{\quad}$

2) $9 + 5 = \underline{\quad}$

3) $8 + 7 = \underline{\quad}$

4) $4 + 5 = \underline{\quad}$

5) $9 + 3 = \underline{\quad}$

6) $7 + 4 = \underline{\quad}$

7) $1 + 5 = \underline{\quad}$

8) $2 + 3 = \underline{\quad}$

9) $6 + 2 = \underline{\quad}$

10) $9 + 9 = \underline{\quad}$

11) $3 + 8 = \underline{\quad}$

12) $8 + 7 = \underline{\quad}$

13) $2 + 5 = \underline{\quad}$

14) $3 + 4 = \underline{\quad}$

15) $5 + 3 = \underline{\quad}$

16) $8 + 4 = \underline{\quad}$

17) $7 + 5 = \underline{\quad}$

18) $6 + 5 = \underline{\quad}$

Challenge Problem

Instructions: The following problem will be due by before the addition quiz at the end of the unit. Please try your best to complete the problem on your own.

$$17 + \underline{\quad} = 35$$