

# 1. [+ Whole Numbers to 10]

**Skill 1.1** Adding whole numbers from 1 to 10 by counting on.

MMYellow 11 22 33 44  
MMRed 11 22 33 44

- Start with the largest number.
- Count on the smaller number.

**Q.**

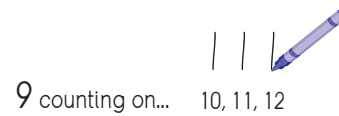
	9	2	4	1	7	6	3	10	8	5
+ 3										

**A.**

	9	2	4	1	7	6	3	10	8	5
+ 3	12	5	7	4	10	9	6	13	11	8



OR



$$9 + 3 = ?$$

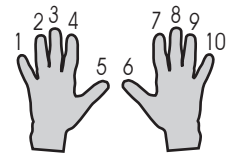
Start with the largest number 9.

Count on 3 more.

$$9 + 3 = 12$$

**a)**

	8	6	5	3	2	7	9	1	4	10
+ 2	10									



**b)**

	3	7	1	10	6	8	4	5	9	2
+ 6										

**c)**

	2	8	7	1	10	3	6	5	4	9
+ 5										

**d)**

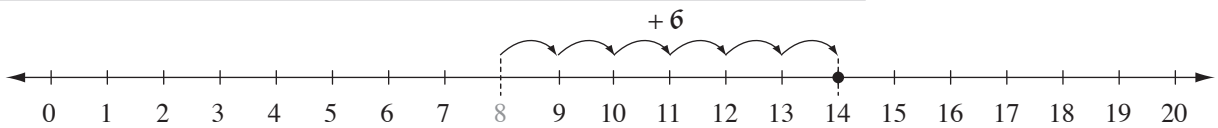
	2	9	3	7	10	1	4	6	8	5
+ 8										

**Q.**

	8	4	10	2	7	5	3	1	9	6
<b>+ 6</b>										

**A.**

	8	4	10	2	7	5	3	1	9	6
<b>+ 6</b>	14	10	16	8	13	11	9	7	15	12



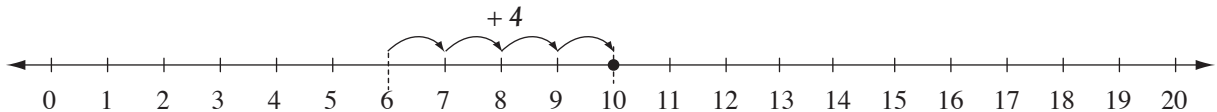
$8 + 6 = ?$

Start at 8. Go forward 6 places. You are at 14.

$8 + 6 = 14$

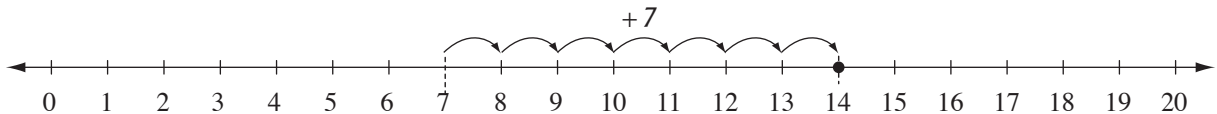
**a)**

	6	5	2	8	3	4	1	7	10	9
<b>+ 4</b>	10									



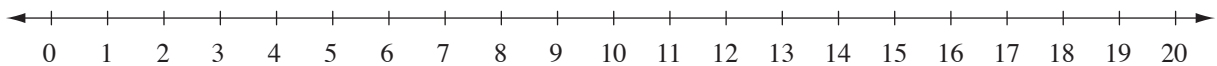
**b)**

	7	6	2	8	10	1	5	4	9	3
<b>+ 7</b>										



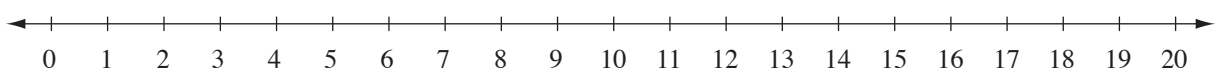
**c)**

	5	7	10	9	1	8	3	4	2	6
<b>+ 8</b>										



**d)**

	9	11	4	12	7	5	10	8	3	6
<b>+ 3</b>										



### Skill 1.3 Adding 7, 8 or 9 by making 10.

- Find the largest number.
- Work out what number you need to add to the largest number, to make 10.
- Break down the smaller number to include the number you need.
- Regroup the numbers to create a sum of 10. (10's are easy!)

Q.

	8	6	2	7	10	1	5	4	9	3
+7										

A.

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

$$\begin{aligned}
 &8 + 7 \\
 &= 8 + (2 + 5) \\
 &\begin{array}{c} \blacksquare \blacksquare \blacksquare \blacksquare \\ + \blacksquare \blacksquare \\ + \blacksquare \blacksquare \blacksquare \blacksquare \end{array} \\
 &= (8 + 2) + 5 \\
 &= 10 + 5 \\
 &= 15
 \end{aligned}$$

8 + 7 = ?                      8 is the largest number.  
 Ask: "What number added to 8, will make 10?"  
 Answer: 8 + 2 = 10            You need a 2.

Break down the smaller number 7, into 2 and 5.  
 2 + 5 = 7  
 Regroup the 2 with the 8 to make 10.

a)

	4	9	2	10	8	3	6	1	7	5
+9	13	18								

$$\begin{aligned}
 &4 + 9 \\
 &= 3 + 1 + 9 \\
 &= 3 + (1 + 9) \\
 &= 3 + 10 \\
 &= 13
 \end{aligned}$$

Hint: When you add 9, the unit in the answer is always one less than the unit in the question!

b)

	7	6	2	8	10	1	5	4	9	3
+8	15	14								

c)

	9	11	4	12	7	5	10	8	3	6
+7	16									

Q.

	5	7	9	1	8	6	3	10	2	4
+ 8										

A.

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

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

$5 + 8 = ?$

Move down the column from 5.

Move across the row from 8.

The number at their intersection is the result.

$5 + 8 = 13$

$8 + 5 = 13$

a)

	4	10	2	3	5	7	9	1	8	6
+ 5	9	15								

b)

	7	8	2	1	5	10	4	3	9	6
+ 4	11	12								

c)

	1	6	4	8	2	9	5	10	3	7
+ 9	10									

d)

	2	9	7	3	10	8	4	6	1	5
+ 2	4									