

2. [- Whole Numbers to 10]

Skill 2.1 Subtracting whole numbers from 1 to 10.

MM4.2 11 22 33 44
MM5.1 11 22 33 44

EITHER

Break down to easier numbers

- Break a number down so that you can work with groups of 10

$$\begin{aligned} \text{Example: } 16 - 9 & \\ &= 15 - 8 \\ &= 14 - 7 \\ &= 13 - 6 \\ &= 12 - 5 \\ &= 11 - 4 \\ &= 10 - 3 \\ &= 7 \end{aligned}$$

Make 16 into 10 by taking 6 from both 16 and 9.

OR

Build up to easier numbers

- Build a number up so that you can work with groups of 10.

$$\begin{aligned} \text{Example: } 16 - 9 & \\ \text{Add 1 to 9 to make 10} & \\ \text{and another 6 to get to 16.} & \\ 1 + 6 = 7 & \end{aligned}$$

OR

Use an addition table

- Move down the column and across the row to find the intersection.

+	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

$$\text{Example: } 16 - 9 = ?$$

Reword the subtraction by turning it into an addition. What number when added to 9 will give 16?

From the addition table,

$$9 + 7 = 16$$

$$\text{So } 16 - 9 = 7$$

Q.

	16	14	17	10	18	13	11	19	15	12
- 9										

Subtract 9 from each of the numbers in the top row.

A.

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

a)

	5	4	10	7	12	11	8	9	3	6
- 2	3									

b)

	14	17	10	15	12	18	13	16	11	9
- 8										

c)

	14	16	9	23	21	7	15	12	30	28
- 4										

d)

	20	14	23	16	32	25	17	18	11	49
- 7										

Skill 2.2 Subtracting whole numbers from 1 to 10 from negative numbers

MM4.2 11 22 33 44
MM5.1 11 22 33 44

- Use a number line.

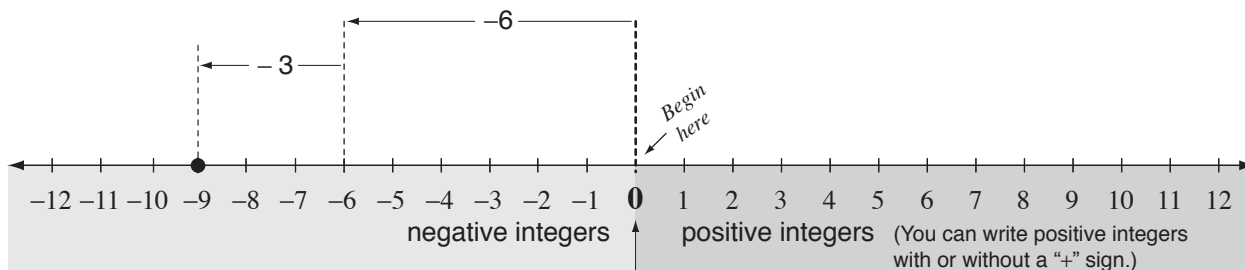
Example: $-6 - 3$ is read as: negative 6 subtract 3 OR negative 6 minus 3

Start at 0

Move 6 units to the left (negative direction).

Move 3 units to the left again (negative direction).

You stop at negative 9



Q.		-6	3	9	-7	10	1	5	-4	2	-8
	-3										

Subtract 3 from each of the numbers on the top row.

A.		-6	3	9	-7	10	1	5	-4	2	-8
	-3	-9	0	6	-10	7	-2	2	-7	-1	-11

a)		10	6	-8	15	-11	7	4	-9	2	-13
	-5	5									

b)		-6	7	-3	10	9	-5	8	4	1	-12
	-2										

c)		10	-5	-7	1	-12	9	3	14	-6	8
	-4										

d)		12	-8	19	-5	1	-10	-6	13	17	-4
	-8										

e)		35	24	-8	19	-42	26	3	-20	7	-11
	-6										

f)		15	57	-18	11	-49	-20	4	33	6	72
	-9										