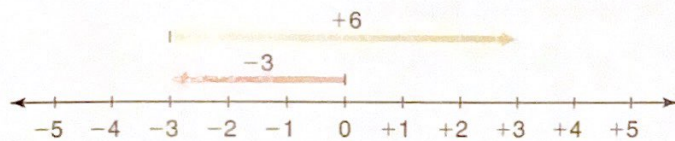


► To subtract an integer, we add the opposite integer.

For example, to subtract:  $(-3) - (-6)$

Add the opposite:  $(-3) + (+6)$



So,  $(-3) - (-6) = +3$

The opposite of  $-6$  is  $+6$ .

### Example

Subtract.

- a)  $(+2) - (+9)$       b)  $(-2) - (+9)$

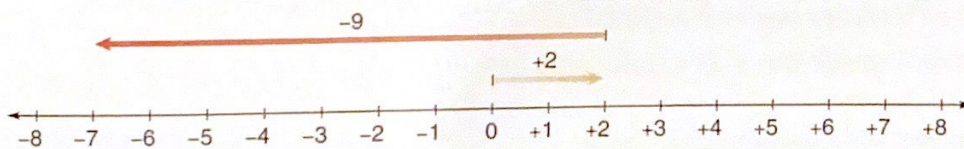
### A Solution

- a) To subtract:  $(+2) - (+9)$

Add the opposite:  $(+2) + (-9)$

Use a number line.

$$(+2) + (-9) = -7$$

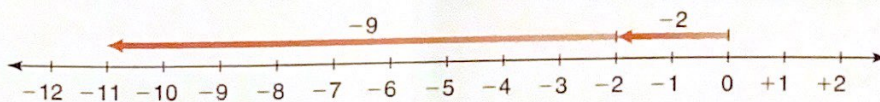


- b) To subtract:  $(-2) - (+9)$

Add the opposite:  $(-2) + (-9)$

Use a number line.

$$(-2) + (-9) = -11$$



### Another Strategy

We could use coloured tiles.

## Practice

1. Use a number line to subtract.

Use coloured tiles to check your answers.

- a)  $(+2) - (+1)$       b)  $(+4) - (-3)$       c)  $(-4) - (-1)$   
d)  $(-5) - (+2)$       e)  $(-2) - (-6)$       f)  $(-3) - (-7)$