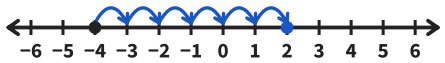
Adding and subtracting negative numbers

ANSWERS

1

Work out **−4 + 6**



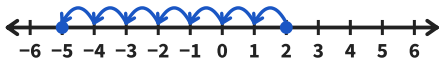
start at: **−4**

move: **6 right**

Answer: **2**

2

Work out **2 − 7**



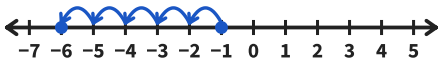
start at: **2**

move: *7 left*

Answer: *−5*

3

Work out **−1 − 5**



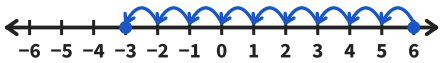
start at: *−1*

move: *5 left*

Answer: *−6*

4

Work out **6 + −9**



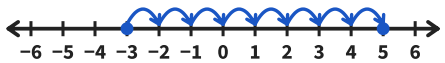
one sign: *6 − 9*

move: *9 left*

Answer: *−3*

5 *Notice the change!*

Work out **−3 − −8**



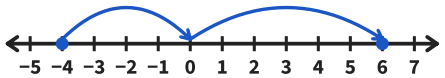
one sign: *−3 + 8*

move: *8 right*

Answer: *5*

6

At 6 am it is −4 °C. At noon it is 6 °C. How many degrees has it risen?



−4 up to 0: *4 degrees*

0 up to 6: *6 more*

Answer: *10 degrees*

7

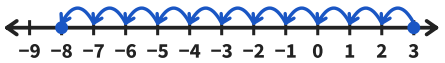
Kai says −9 + 5 = −14. Explain his mistake. Then write the right answer.

adding 5 moves right, towards zero, not left

Answer: *−9 + 5 = −4*

8

In Cardiff it is 3 °C. In Oslo it is 11 degrees colder. What is the temperature in Oslo?



3 − 11

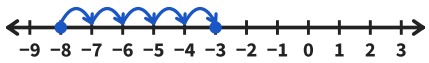
Answer: *−8 °C*

Adding and subtracting negative numbers *further practice*

ANSWERS

9

Work out $-8 + 5$

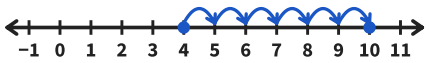


start at −8, move 5 right

Answer −3

10

Work out $4 - -6$

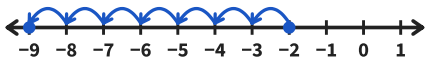


4 + 6, move 6 right

Answer 10

11

Work out $-2 + -7$



−2 − 7, move 7 left

Answer −9

12

Find the missing number.

$-6 + \square = 1$

−6 up to 1 is 7 steps

Answer 7

13

A submarine is at a height of −40 m. It rises 15 m. What is its height now?

−40 + 15

Answer −25 m

14

The table shows the temperatures in four cities one morning.
Find the difference between the warmest and the coldest.

Inverness	**−6 °C**
Bergen	**−9 °C**
Lisbon	**8 °C**
Cardiff	**3 °C**

−9 up to 0 is 9, then 8 more

Answer 17 degrees

15

Mia's bank balance is −£25. She pays in £60. What is her balance now?

−25 + 60 = 35

Answer £35

16

Sam says $5 - -2 = 3$, because you take away 2. Is Sam right? Explain.

two minus signs make a plus:

5 + 2 = 7

Answer No, it is 7