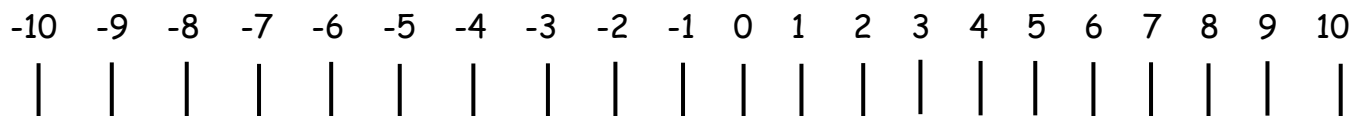


## Negative Number Temperature Questions

Try to calculate the answers to these questions. You may use a number line to support you if you so wish...



These first ones ask you to subtract a positive number...

1.  $5^{\circ}\text{C} - 6^{\circ}\text{C} =$

2.  $4^{\circ}\text{C} - 7^{\circ}\text{C} =$

3.  $3^{\circ}\text{C} - 9^{\circ}\text{C} =$

4.  $1^{\circ}\text{C} - 2^{\circ}\text{C} =$

5.  $0^{\circ}\text{C} - 3^{\circ}\text{C} =$

6.  $-2^{\circ}\text{C} - 5^{\circ}\text{C} =$

Now try adding a negative number...

7.  $8^{\circ}\text{C} + -5^{\circ}\text{C} =$

8.  $2^{\circ}\text{C} + -4^{\circ}\text{C} =$

9.  $3^{\circ}\text{C} + -1^{\circ}\text{C} =$

10.  $11^{\circ}\text{C} + -4^{\circ}\text{C} =$

11.  $15^{\circ}\text{C} + -11^{\circ}\text{C} =$

12.  $7^{\circ}\text{C} + -7^{\circ}\text{C} =$

Now try adding a negative when the number is already negative...

13.  $-6^{\circ}\text{C} + -2^{\circ}\text{C} =$

14.  $-1^{\circ}\text{C} + -9^{\circ}\text{C} =$

15.  $-11^{\circ}\text{C} + -4^{\circ}\text{C} =$

16.  $-31^{\circ}\text{C} + -4^{\circ}\text{C} =$

Now try subtracting a negative number...

17.  $2^{\circ}\text{C} - -4^{\circ}\text{C} =$

18.  $5^{\circ}\text{C} - -7^{\circ}\text{C} =$

19.  $-4^{\circ}\text{C} - -3^{\circ}\text{C} =$

20.  $-8^{\circ}\text{C} - -5^{\circ}\text{C} =$

21.  $-19^{\circ}\text{C} - -5^{\circ}\text{C} =$

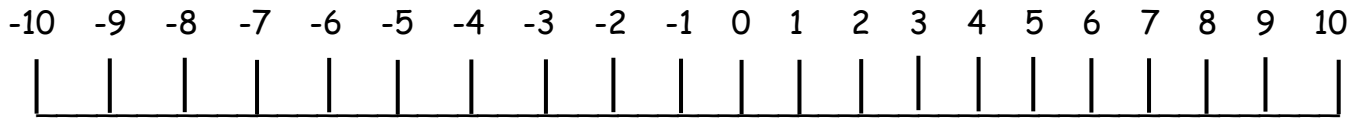
22.  $-33^{\circ}\text{C} - -8^{\circ}\text{C} =$

Can you devise a rule that shows whether the total goes up or down for each of these combinations of negative numbers?

Now try setting some for a friend to solve...

## Negative Number Temperature Questions Answers

Try to calculate the answers to these questions. You may use a number line to support you if you so wish...



These first ones ask you to subtract a positive number...

1.  $5^{\circ}\text{C} - 6^{\circ}\text{C} = -1^{\circ}\text{C}$

2.  $4^{\circ}\text{C} - 7^{\circ}\text{C} = -3^{\circ}\text{C}$

3.  $3^{\circ}\text{C} - 9^{\circ}\text{C} = -6^{\circ}\text{C}$

4.  $1^{\circ}\text{C} - 2^{\circ}\text{C} = -1^{\circ}\text{C}$

5.  $0^{\circ}\text{C} - 3^{\circ}\text{C} = -3^{\circ}\text{C}$

6.  $-2^{\circ}\text{C} - 5^{\circ}\text{C} = -7^{\circ}\text{C}$

Now try adding a negative number...

7.  $8^{\circ}\text{C} + -5^{\circ}\text{C} = 3^{\circ}\text{C}$

8.  $2^{\circ}\text{C} + -4^{\circ}\text{C} = -2^{\circ}\text{C}$

9.  $3^{\circ}\text{C} + -1^{\circ}\text{C} = 2^{\circ}\text{C}$

10.  $11^{\circ}\text{C} + -4^{\circ}\text{C} = 7^{\circ}\text{C}$

11.  $15^{\circ}\text{C} + -11^{\circ}\text{C} = 4^{\circ}\text{C}$

12.  $7^{\circ}\text{C} + -7^{\circ}\text{C} = 0^{\circ}\text{C}$

Now try adding a negative when the number is already negative...

13.  $-6^{\circ}\text{C} + -2^{\circ}\text{C} = -8^{\circ}\text{C}$

14.  $-1^{\circ}\text{C} + -9^{\circ}\text{C} = -10^{\circ}\text{C}$

15.  $-11^{\circ}\text{C} + -4^{\circ}\text{C} = -15^{\circ}\text{C}$

16.  $-31^{\circ}\text{C} + -4^{\circ}\text{C} = -35^{\circ}\text{C}$

Now try subtracting a negative number...

17.  $2^{\circ}\text{C} - -4^{\circ}\text{C} = 6^{\circ}\text{C}$

18.  $5^{\circ}\text{C} - -7^{\circ}\text{C} = 12^{\circ}\text{C}$

19.  $-4^{\circ}\text{C} - -3^{\circ}\text{C} = -1^{\circ}\text{C}$

20.  $-8^{\circ}\text{C} - -5^{\circ}\text{C} = -3^{\circ}\text{C}$

21.  $-19^{\circ}\text{C} - -5^{\circ}\text{C} = -14^{\circ}\text{C}$

22.  $-33^{\circ}\text{C} - -8^{\circ}\text{C} = -25^{\circ}\text{C}$

Can you devise a rule that shows whether the total goes up or down for each of these combinations of negative numbers?

Now try setting some for a friend to solve...