

Negative Numbers

Fill in the missing numbers. Count back past zero.

Write the missing numbers on each number line.

Example



Count back. Write the missing numbers.

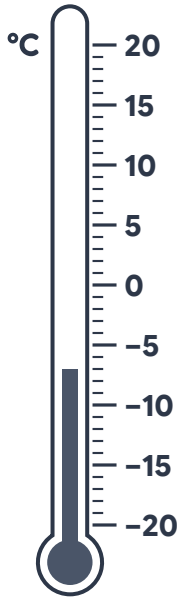


Negative Numbers

Read each thermometer. Write the temperature.

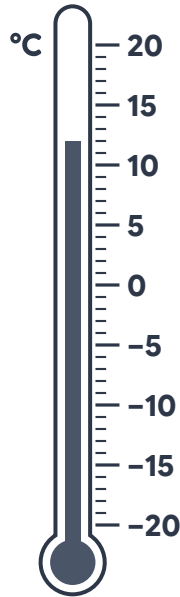
1.

Example



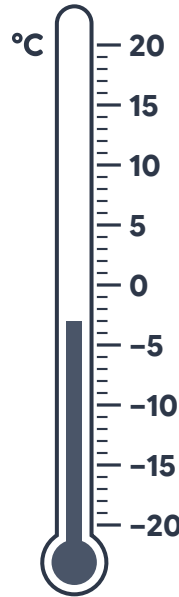
_____ °C

2.



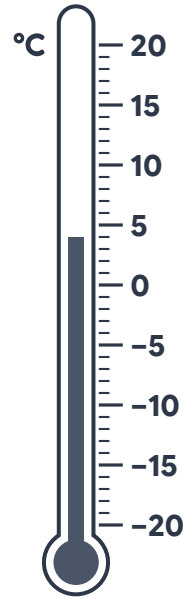
_____ °C

3.



_____ °C

4.



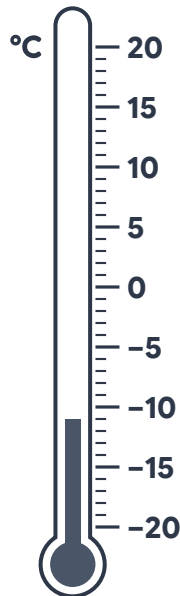
_____ °C

5.



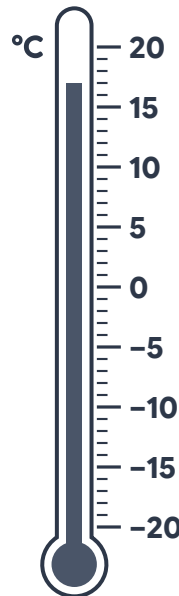
_____ °C

6.



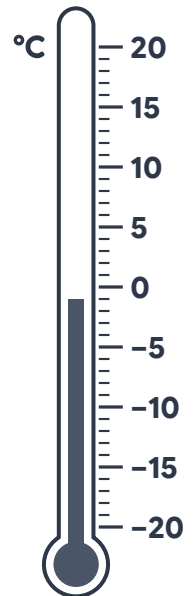
_____ °C

7.



_____ °C

8.



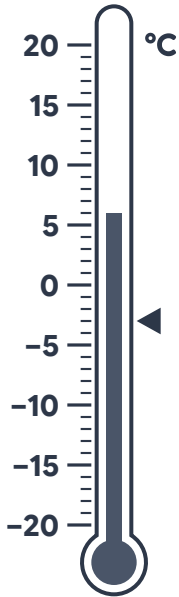
_____ °C

Negative Numbers

Read the temperature. Then find the new temperature.

1.

Example



It is

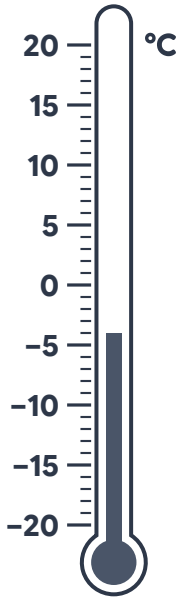
6 °C

Then it gets
9 degrees
colder.

Now it is

-3 °C

2.



It is

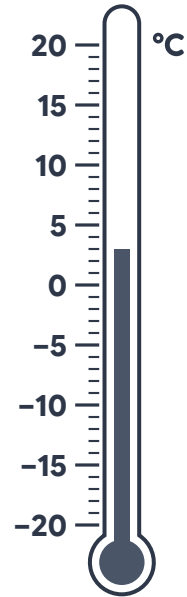
 °C

Then it gets
7 degrees
warmer.

Now it is

 °C

3.



It is

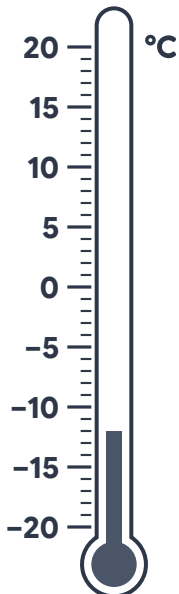
 °C

Then it gets
8 degrees
colder.

Now it is

 °C

4.



It is

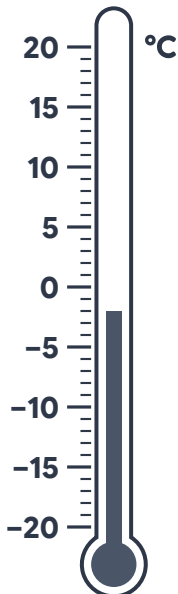
 °C

Then it gets
5 degrees
warmer.

Now it is

 °C

5.



It is

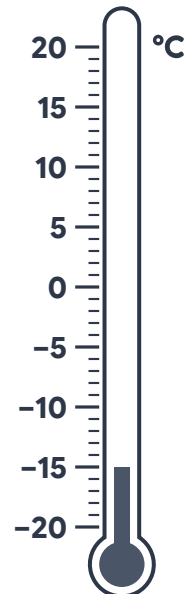
 °C

Then it gets
6 degrees
colder.

Now it is

 °C

6.



It is

 °C

Then it gets
18 degrees
warmer.

Now it is

 °C

Negative Numbers

Compare and order numbers below zero.

Write $<$ or $>$ in each circle.

Example

1. -3 $>$ -7

2. -2 $\bigcirc$ 1

3. 0 $\bigcirc$ -4

4. -9 $\bigcirc$ -6

5. 5 $\bigcirc$ -5

6. -12 $\bigcirc$ -2

7. -1 $\bigcirc$ -10

8. -8 $\bigcirc$ 0

9. 6 $\bigcirc$ -11

10. -15 $\bigcirc$ -13

11. -4 $\bigcirc$ 3

12. -18 $\bigcirc$ -20

Write the numbers in order, smallest first.

13. -2 5 -7 0 3

-7 $<$ -2 $<$ 0 $<$ 3 $<$ 5

Example

smallest to largest

14. -10 4 -1 -6 8

$\square$ $<$ $\square$ $<$ $\square$ $<$ $\square$ $<$ $\square$

smallest to largest

15. -15 -5 10 -20 0

$\square$ $<$ $\square$ $<$ $\square$ $<$ $\square$ $<$ $\square$

smallest to largest

16. 7 -9 -3 12 -12

$\square$ $<$ $\square$ $<$ $\square$ $<$ $\square$ $<$ $\square$

smallest to largest

Negative Numbers

Count on and back through zero on the number line.

1. Start at -4 and count on 6.

Example

$$-4 + 6 = \underline{2}$$



2. Start at 3 and count back 7.

$$3 - 7 = \underline{\quad}$$



3. Start at -8 and count on 11.

$$-8 + 11 = \underline{\quad}$$



4. Start at 5 and count back 9.

$$5 - 9 = \underline{\quad}$$



5. Start at -2 and count back 6.

$$-2 - 6 = \underline{\quad}$$



Work these out. Use the number line above to help.

6. $-7 + 10 = \underline{\quad}$ 7. $2 - 11 = \underline{\quad}$ 8. $-3 - 4 = \underline{\quad}$

9. $-9 + 5 = \underline{\quad}$ 10. $6 - 14 = \underline{\quad}$ 11. $-5 + 12 = \underline{\quad}$

12. $1 - 6 = \underline{\quad}$ 13. $-6 + 6 = \underline{\quad}$ 14. $-1 - 9 = \underline{\quad}$

Negative Numbers

Find the difference between numbers either side of zero.

Find the difference between the two temperatures.

Example

1. -5°C and 3°C : 8 degrees 2. -4°C and 9°C : _____ degrees
3. -12°C and 4°C : _____ degrees 4. -8°C and -2°C : _____ degrees
5. -15°C and 6°C : _____ degrees 6. -1°C and 14°C : _____ degrees

Solve each problem.

7. At midnight the temperature was -5°C . At noon it was 7°C . How many degrees warmer was it at noon?

_____ degrees

8. A freezer is at -18°C and a fridge is at 4°C . What is the difference in temperature?

_____ degrees

9. A lift goes from level -2 in the car park up to level 6 . How many levels does it go up?

_____ levels

10. A diver is 9 m below sea level, at -9 m. A seagull flies 15 m above sea level. How far apart are they?

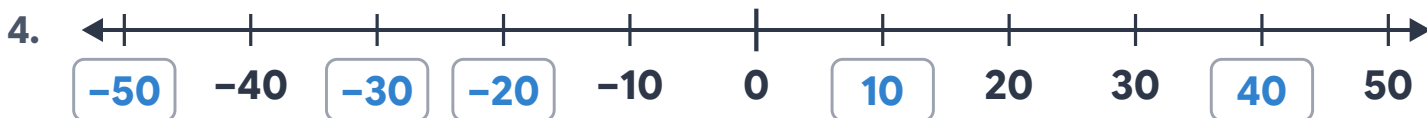
_____ m

Negative Numbers

Fill in the missing numbers. Count back past zero.

Write the missing numbers on each number line.

Example



Count back. Write the missing numbers.

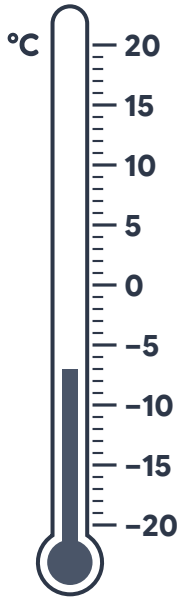


Negative Numbers

Read each thermometer. Write the temperature.

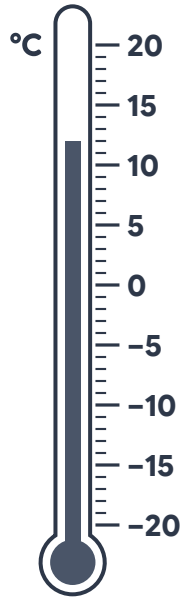
1.

Example



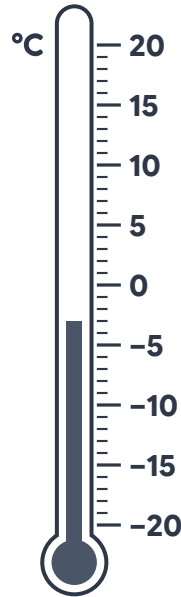
-7 °C

2.



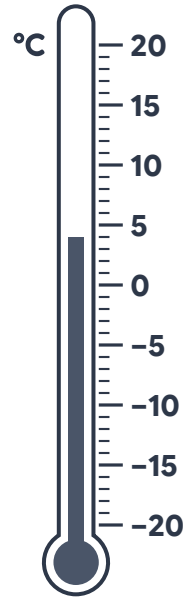
12 °C

3.



-3 °C

4.



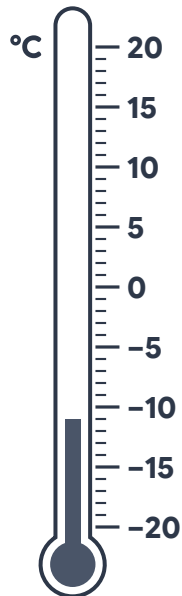
4 °C

5.



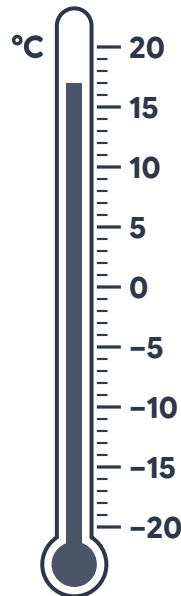
-16 °C

6.



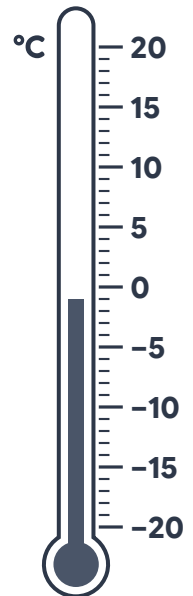
-11 °C

7.



17 °C

8.



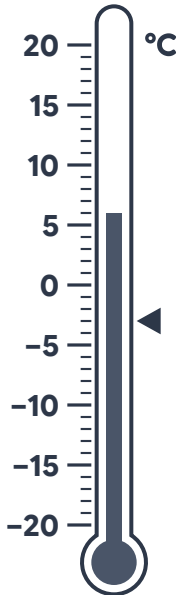
-1 °C

Negative Numbers

Read the temperature. Then find the new temperature.

1.

Example



It is

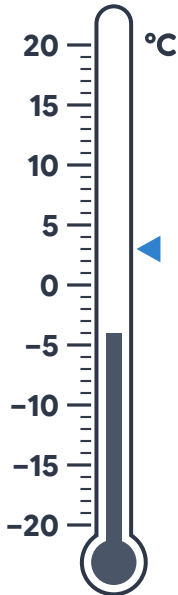
6 °C

Then it gets
9 degrees
colder.

Now it is

-3 °C

2.



It is

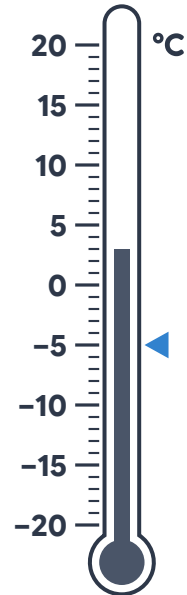
-4 °C

Then it gets
7 degrees
warmer.

Now it is

3 °C

3.



It is

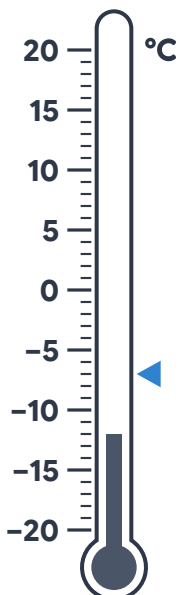
3 °C

Then it gets
8 degrees
colder.

Now it is

-5 °C

4.



It is

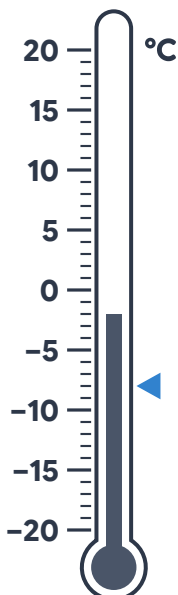
-12 °C

Then it gets
5 degrees
warmer.

Now it is

-7 °C

5.



It is

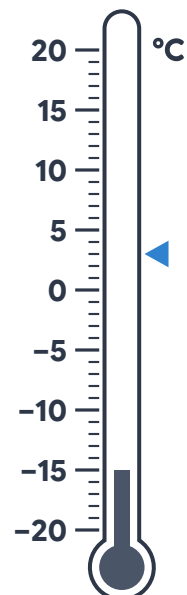
-2 °C

Then it gets
6 degrees
colder.

Now it is

-8 °C

6.



It is

-15 °C

Then it gets
18 degrees
warmer.

Now it is

3 °C

Negative Numbers

Compare and order numbers below zero.

Write $<$ or $>$ in each circle.

Example

1. $-3 > -7$

2. $-2 < 1$

3. $0 > -4$

4. $-9 < -6$

5. $5 > -5$

6. $-12 < -2$

7. $-1 > -10$

8. $-8 < 0$

9. $6 > -11$

10. $-15 < -13$

11. $-4 < 3$

12. $-18 > -20$

Write the numbers in order, smallest first.

13. $-2 \quad 5 \quad -7 \quad 0 \quad 3$

$-7 < -2 < 0 < 3 < 5$

Example

smallest to largest

14. $-10 \quad 4 \quad -1 \quad -6 \quad 8$

$-10 < -6 < -1 < 4 < 8$

smallest to largest

15. $-15 \quad -5 \quad 10 \quad -20 \quad 0$

$-20 < -15 < -5 < 0 < 10$

smallest to largest

16. $7 \quad -9 \quad -3 \quad 12 \quad -12$

$-12 < -9 < -3 < 7 < 12$

smallest to largest

Negative Numbers

Count on and back through zero on the number line.

1. Start at -4 and count on 6 .

Example

$$-4 + 6 = \underline{2}$$



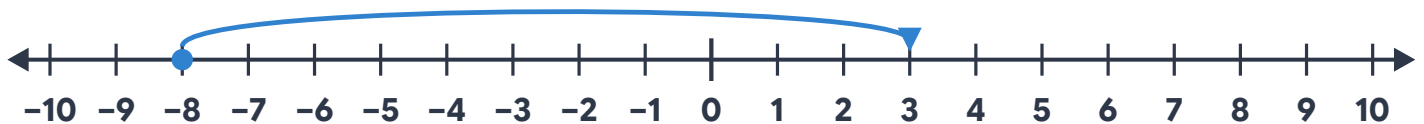
2. Start at 3 and count back 7 .

$$3 - 7 = \underline{-4}$$



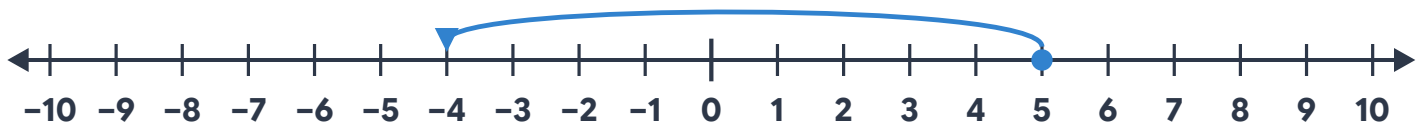
3. Start at -8 and count on 11 .

$$-8 + 11 = \underline{3}$$



4. Start at 5 and count back 9 .

$$5 - 9 = \underline{-4}$$



5. Start at -2 and count back 6 .

$$-2 - 6 = \underline{-8}$$



Work these out. Use the number line above to help.

6. $-7 + 10 = \underline{3}$ 7. $2 - 11 = \underline{-9}$ 8. $-3 - 4 = \underline{-7}$

9. $-9 + 5 = \underline{-4}$ 10. $6 - 14 = \underline{-8}$ 11. $-5 + 12 = \underline{7}$

12. $1 - 6 = \underline{-5}$ 13. $-6 + 6 = \underline{0}$ 14. $-1 - 9 = \underline{-10}$

Negative Numbers

Find the difference between numbers either side of zero.

Find the difference between the two temperatures.

Example

1. -5°C and 3°C : 8 degrees
2. -4°C and 9°C : 13 degrees
3. -12°C and 4°C : 16 degrees
4. -8°C and -2°C : 6 degrees
5. -15°C and 6°C : 21 degrees
6. -1°C and 14°C : 15 degrees

Solve each problem.

7. At midnight the temperature was -5°C . At noon it was 7°C . How many degrees warmer was it at noon?

12 degrees

8. A freezer is at -18°C and a fridge is at 4°C . What is the difference in temperature?

22 degrees

9. A lift goes from level -2 in the car park up to level 6 . How many levels does it go up?

8 levels

10. A diver is 9 m below sea level, at -9 m. A seagull flies 15 m above sea level. How far apart are they?

24 m