

Y6 Negative Numbers

KS2 Y6 Maths · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

At 6 am it is -7°C . By noon the temperature has risen by 12°C . What is it at noon?

Step 1 · From -7 up to 0

7 degrees

Step 2 · $12 - 7$ more degrees above 0

5

Answer: 5°C

Check: From 5 back down 12 gives -7 ✓

2. Now try one with the steps

What is the difference between -8°C and 5°C ?

Step 1 · -8 up to 0

Step 2 · 0 up to 5

Step 3 · Add the two jumps

Answer:

3. Practice

Have a go at each one. There is space underneath to work it out.

1. $4 - 9 = ?$

2. $-6 + 10 = ?$

3. $-3 - 5 = ?$

4. Order from smallest to largest: 3, -8 , 0, -2 , -11

5. The temperature is -4°C . It falls by 6 degrees. What is the new temperature?

6. What is the difference between -9°C and 4°C ?

7. What is the difference between -15 and -6 ?

8. It is -12°C in Oslo and 7°C in Cardiff. How many degrees warmer is Cardiff?

9. Count back in 25s: 60, 35, 10, ?, ?

10. Which number is halfway between -10 and 4 ?

11. A diver is at -18 m . She swims up 7 m . What is her new depth?

12. Overnight the temperature fell from 3°C to -5°C . By how many degrees did it fall?

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

14. Find the next two terms: 17, 11, 5, -1 , ?, ?

15. Two numbers have a difference of 10. One of them is -3 . What could the other be? Give both answers.

4. Before you hand it in

Saying -8 is bigger than -2 because 8 is bigger than 2.

On a number line, -8 is further left (colder), so $-8 < -2$.

Working out the difference between -8 and 5 as 3.

Jump to zero first: 8 up to zero, then 5 more. The difference is 13.

Writing $-4 - 6 = -2$ or 2.

Subtracting moves left on the number line: from -4, go 6 more to the left, reaching -10.