

9.11.20

WALT Count Backwards Through 0 to Include
Negative Numbers

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R

PS

Vocabulary

integers

numbers

number line

counting

forwards

add

more than

backwards

subtract

less than

sequence

pattern

positive

negative

below 0

degrees

Celsius

°C

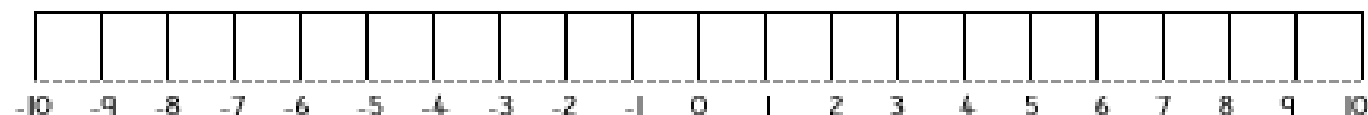
Introduction to Negative Numbers ppt

Fluency

Draw the jumps on the number lines to help you count backwards through zero.

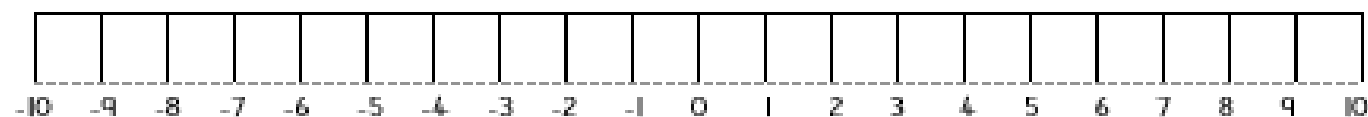
1. From 5, count back 7.

Answer: _____



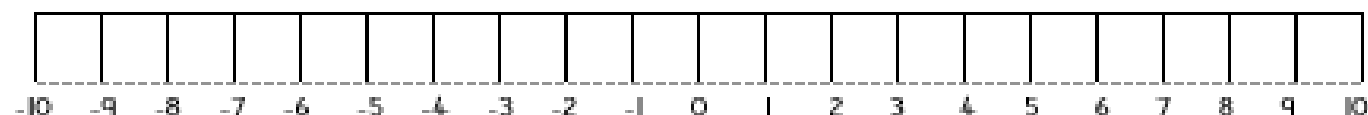
2. From 6, count back 11.

Answer: _____



3. From 4, count back 10.

Answer: _____



Fill in the missing numbers to complete these sequences. Make sure that you follow the correct pattern.

4.



5.



Now, draw the jumps on the thermometers to help you find the new temperatures.



6. The temperature is 6°C . Overnight it falls by 8°C . What is the new temperature?

Answer: _____ $^{\circ}\text{C}$

7. At midday, the temperature is 1°C . By 5 o'clock, it has fallen by 5°C . What is the temperature now?

Answer: _____ $^{\circ}\text{C}$

8. In the evening, the temperature is 3°C . By the next morning, it is 6°C colder. What is the temperature the next morning?

Answer: _____ $^{\circ}\text{C}$

Reasoning 1

Zoe is counting backwards.



two, one, minus one, minus two, minus three ...

What mistake has Zoe made? Use a sentence starter to explain your answer.

Reasoning 2



15, 10, 5 ...

Callum is counting backwards in jumps of 5. He starts at 15.

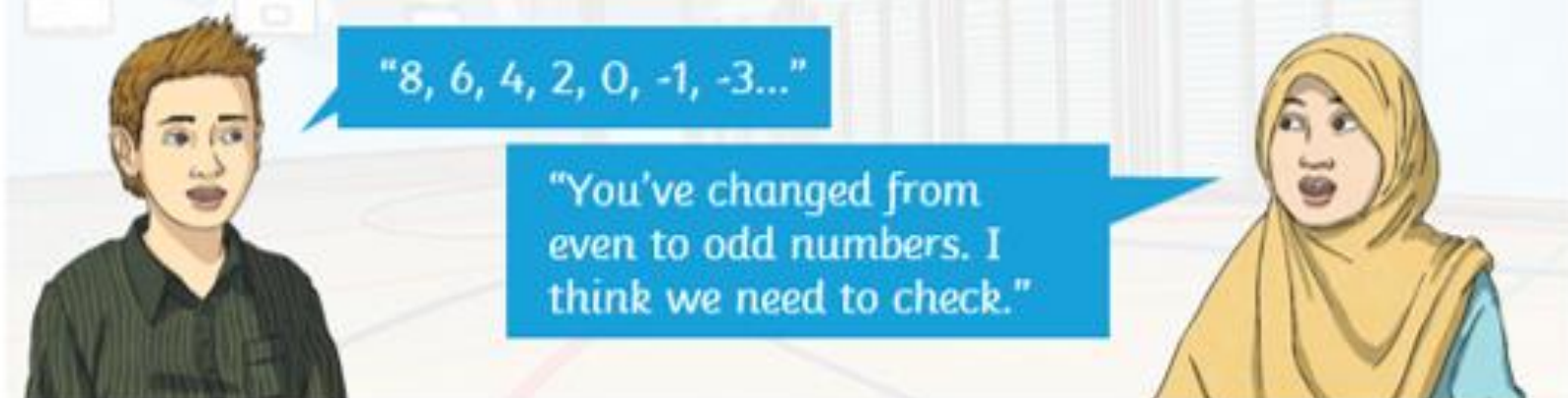
What is the 7th number in his sequence?

Use a sentence starter to explain how you know that the sequence is correct.

Problem Solving 1

Counting Backwards in 2s

Alfie and Fatima work together to count backwards. One person gives a starting number less than 20, and the other counts backwards. They work together to check any mistakes.



Who is correct - Alfie or Fatima? Explain why.

What is the correct sequence?

Problem Solving 2

Diane has part of a 100 square. She adds a row at the top to include numbers below zero.

Can you complete the missing numbers?

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

Plenary

On a whiteboard, write the correct numbers to count backwards:

in 5s from 15

in 2s from 8

in 3s from 12

in 4s from 20