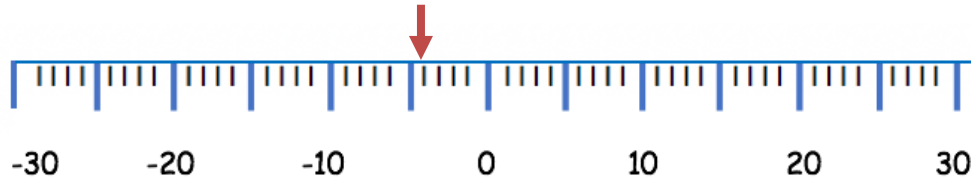


Number and Place Value Year 5 (Negative Numbers) Answers

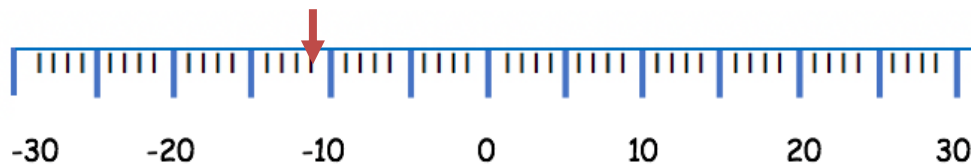
1a) Write the value of the number marked on the number line below.



Children should recognise that the number line is showing negative integers and that each unmarked interval is showing one.

-4

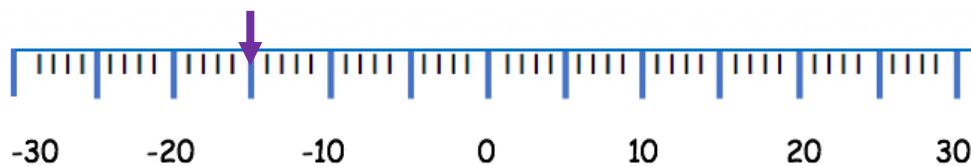
1b) Write the value of the number marked on the number line below.



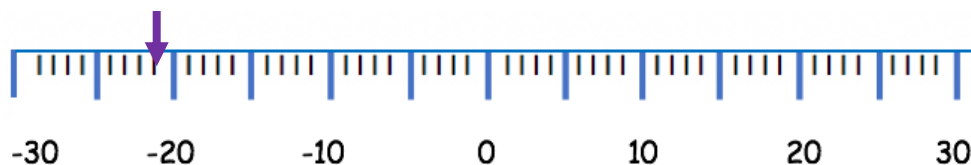
Children should recognise that the number line is showing negative integers and that each unmarked interval is showing one.

-11

1c) Mark -15 on the number line.



1d) Mark -21 on the number line.



Check that the children understand that the number line works from right to left with negative amounts. Children are used to reading number lines from left to right therefore they may have put the marker at -19. The lesson notes look at this misconception further.

2 a) Dylan recorded the temperature in his garden in the morning as -2°C . By lunchtime, the temperature had increased by 9 degrees. What was the temperature in his garden at lunchtime?

Assess here whether the children made errors due to misconceptions with the vocabulary used or when calculating with negative amounts.

7°C

b) By the evening the temperature was 5 degrees cooler than lunchtime. What was the temperature in Dylan's garden in the evening?

Assess here whether the children made errors due to misconceptions with the vocabulary used or when calculating.

2°C

3) Here are temperatures of different places in December:

Place	Temperature
Tenerife	17
Serbia	3
Sweden	-2
Finland	-7
England	5

a) What is the difference in temperature between Sweden and Serbia in December?

Assess here whether the children made errors due to misconceptions with the vocabulary used or when calculating.

5°C

b) How much warmer is England than Finland in December ?

Assess here whether the children made errors due to misconceptions with the vocabulary used or when calculating.

12°C