

Problem solving – negative numbers

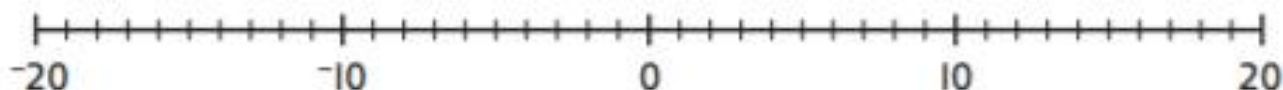
1 Tick the pair of numbers that has the biggest difference.

a) -4 and 12



b) -8 and 9

c) -20 and -11



2 a) This sequence increases by 7 each time.

What are the missing numbers?

, -16 , , -2 , ,



b) Another sequence decreases by the same amount each time.

What are the missing numbers?

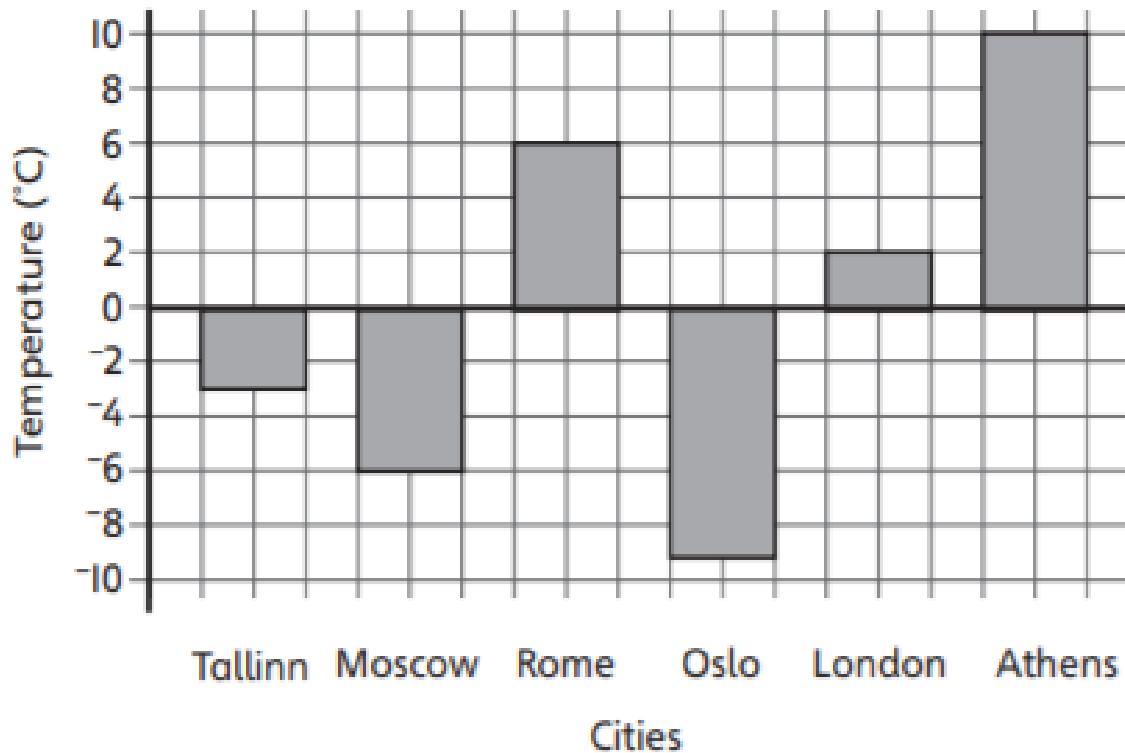
19 , , 7 , , -5 ,



c) What is the 10th number in the sequence in part b)?

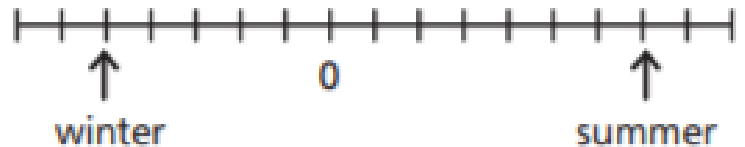


- 3 This graph shows the temperature in six cities on one day in January.



- a) Which city was 5 °C warmer than Tallinn? _____
- b) Which two cities have a difference in temperature of 11 °C?

- 4 The number line shows a winter temperature and a summer temperature in Alaska.



The difference between the temperatures is 48 degrees.

What are the temperatures?



winter temperature = °C

summer temperature = °C

5 Work out the missing numbers on this number line.

