

Thursday 11.6.20

Count forwards and backwards with positive and negative numbers, including through zero.

# Counting negative numbers

Starter:



5. Figure out the step in each sequence then use the number line below to help you count forwards and backwards to complete them.



a.



b.



c.



d.



e.



f.



# Task A

Look at the temperatures for these cities. Write the name of the warmest place in the box.

a.

New York	Moscow	Warmest
-3°C	-1°C	

b.

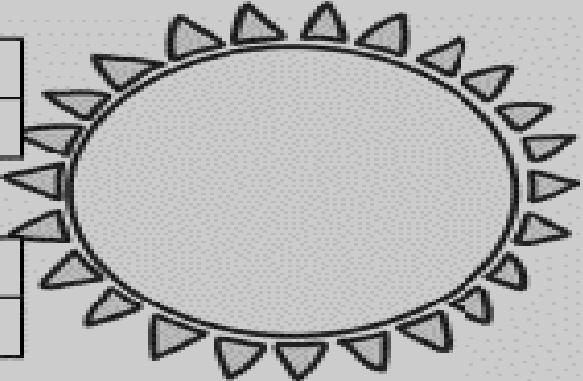
Reykjavik	London	Warmest
-10°C	-3°C	

c.

Stockholm	Edinburgh	Warmest
-3°C	-1°C	

d.

Minsk	St. Petersburg	Warmest
-15°C	-17°C	



# TASK B

## Section A

1. Put these temperatures in order, the lowest first.

a)  $2^{\circ}\text{C}$ ,  $-8^{\circ}\text{C}$ ,  $-1^{\circ}\text{C}$ ,  $-6^{\circ}\text{C}$ ,  $-4^{\circ}\text{C}$

b)  $6^{\circ}\text{C}$ ,  $10^{\circ}\text{C}$ ,  $-15^{\circ}\text{C}$ ,  $-11^{\circ}\text{C}$ ,  $14^{\circ}\text{C}$

c)  $16^{\circ}\text{C}$ ,  $18^{\circ}\text{C}$ ,  $-23^{\circ}\text{C}$ ,  $-25^{\circ}\text{C}$ ,  $-13^{\circ}\text{C}$ ,  $12^{\circ}\text{C}$ ,  $20^{\circ}\text{C}$

d) Which of these temperatures is lowest?

i)  $-4^{\circ}\text{C}$  or  $-2^{\circ}\text{C}$

ii)  $-8^{\circ}\text{C}$  or  $8^{\circ}\text{C}$

iii)  $-16^{\circ}\text{C}$  or  $-17^{\circ}\text{C}$

iv)  $-5^{\circ}\text{C}$  or  $-6^{\circ}\text{C}$

# TASK C

Count forwards and backwards in 3 steps of 10 from the following numbers:

495

227

Count forwards and backwards in 5 steps of 100 from the following numbers:

953

356

Count forwards and backwards in 4 steps of 1000 from the following numbers:

9463

1235

Count forwards and backwards in 3 steps of 10,000 from the following numbers:

32,215

85,354


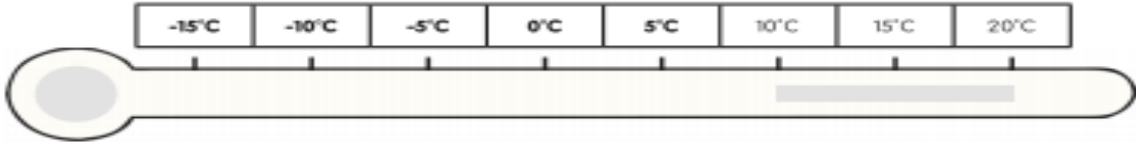
# Challenge: This is optional

- Count forwards and backwards 3 steps of 100,000 from:

215,487

623,105

## Counting Forwards and Backwards with Positive and Negative Whole Numbers: Answers

question	answer
<b>1.</b>	
	
<b>2.</b>	
	
<b>3.</b>	
	<b>-7°C, -4°C, -1°C, 2°C, 5°C, 8°C, 11°C, 14°C, 17°C, 20°C</b>
<b>4.</b>	
	<b>-19°C, -13°C, -7°C, -1°C, 5°C, 11°C, 17°C, 23°C</b>
<b>5.</b>	
a	<b>-7, -5, -3, -1, 1, 3, 5, 7</b>
b	<b>-17°C, -12°C, -7°C, -2°C, 3°C, 8°C, 13°C, 18°C</b>
c	<b>-16, -11, -6, -1, 4, 9, 14, 19</b>
d	<b>-31, -23, -15, -7, 1, 9, 17, 25</b>
e	<b>-£18, -£14, -£10, -£6, -£2, £2, £6, £10</b>
f	<b>-11.5°C, -7°C, -2.5°C, 2°C, 6.5°C, 11°C, 15.5°C, 20°C</b>
<b>6.</b>	
a	Moscow
b	London
c	Edinburgh
d	Minsk