Greek Orthodox Patriarchate School
International - Fuhies

Worksheet

Name :		Subject:	Negative numbers / Sequences
Class:	3(A+B+C)	Date:	

Q 1) Complete the following sequences.

a) Count back by 10's

5010 , 5000, _____, 4980, _____, 4960, _____

b) Count back by 1's

8761, _____, _____, 8758, _____, 8756,_____

c) Count on by 1000's

_____, 1345, _____, 3345, _____, 5345,_____

d) Count on by 20's

1020, _____, 1060, 1080, _____ , _____

e) Count on by 1's

4319, _____, _____ ,4322, _____, 4324, 4325

a) Count on by 10's

6935, _____ , 7135, _____, 7335, 7435,_____
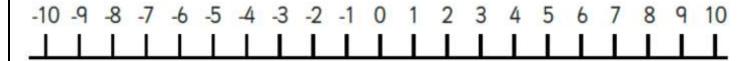
Q2) Write the missing numbers in these sequences.

   a)   -10 , -2 , _____ , _____ , 22

   b)   -8 , -4 , _____ , _____ , 8

   c)   _____ , 1023, 1034, _____ , 1056, _____

   d)   4020 ,4025, 4050, _____ , _____ , _____

Order the following temperatures from smallest to largest (coldest to warmest)

2°C, -8°C, -1°C, -6°C, -4°C

_____

6°C, 10°C, -15°C, -11°C, 14°C

_____

16°C, 18°C, -23°C, -25°C, -13°C, 12°C, 20°C

_____

Q 3) Which of these temperatures is the lowest?

-4°C or -2°C

_____

-8°C or 8°C

_____

-16°C or -17°C

_____

-5°C or -6°C

_____

Q4) Use the number line below to find the difference between each pair of numbers.

-10 -9 -8 -7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 8 9 10

a) The difference between -9 and -5 _____

b) The difference between 5 and -2 _____

c) The difference between -3 and 3 _____

d) The difference between 4 and -1 _____

Q5) In Moscow, the temperature at 2 p.m. was 3°C. By evening, it fell by 5°C.

- What was the temperature in the evening?_____

Q 6) On a chilly morning in New York, the thermometer read −4°C. As the day progressed, the sun came out and the temperature gradually rose by 9°C.

What was the temperature at noon after this increase?_____

Q7) Look at the following sequences. For each one, decide whether it is **linear** or **non-linear**.

a) 5, 10, 15, 20, 25

b) 2, 4, 8, 16, 32

c) 1000, 995, 990, 985, 980

d) 7, 14, 21, 29, 35

Q8) A sequence starts at **11** and counts in **4s**:

11, 15, 19, 23, …

Which of the following numbers **cannot appear** in this sequence?

a) 27   b) 35

c) 31   d) 44

Q9) Write a sequence starting at **435** and ending at **375**, counting back by 10.

_____

Q 10) Write a sequence starting at **609** and ending at **709**, counting on by 20.

_____