

Name: _____ Class : _____ Date: _____

Practice Quiz: Integers

1. Write the integer corresponding to each scenario:

Scenario	Integer
a) Losing 27 dollars	
b) A profit of 100 dollars	
c) Withdraw 11 dollars from your bank account	
d) 48 meters above sea level	

2. Use counters to model each integer in two different ways:

a) -5		
b) 9		

3. Draw the appropriate model for each problem. If it is a question of subtraction, you can model by changing with KCC and then model the addition.

a) $6 + (-7)$	b) $-9 + (-4)$
c) $(8) - (15)$	d) $(-9) - (-8)$

4. Solve each using any method you choose. You must show the work of your chosen method!!

a) $-8 + 5 =$	b) $5 - (9) =$	c) $11 - (-6) =$
d) $6 + (-8) =$	e) $-4 - 6$	f) $-3 + (-4)$

5. Write the addition equation represented by the following scenarios.

a) Marie walked 8 steps forward, then 14 steps backwards: _____

b) Steven withdrew \$ 40 from his bank account, then he made a deposit of \$90: _____

6. Read each written problem. Associate each written problem with the corresponding expression.

i) $17 - 5$	ii) $-17 - 5$	iii) $17 - (-5)$	iv) $-17 + 5$
v) $13 - 2$	vi) $13 + 2$	vii) $-13 + 2$	viii) $-13 - 2$

_____ a) Carson had \$13 in his wallet and spent \$2 on a chocolate bar.

_____ b) Hilary owes Jamie \$ 17. She receives \$ 5 as her weekly allowance and gives that money to Jamie. How much money does she owe her now?

_____ c) Nate is in a hot air balloon which is 13 m above ground level. The hot air balloon rises 2 m. What is the new height of the hot air balloon?

_____ d) This morning, the average temperature in Florida was 17°C and one in New Brunswick was -5°C . What is the difference between the two temperatures?

_____ e) Avery runs a marathon. She has already run 17 km when she realizes that she has lost one of her earphones! She has to go back 5 km to find her earpiece. How far from the start she now?

_____ f) Hashim plays a game with his friends. He loses 13 points in the first round. In the next round, he misses again and loses another 2 points. How many points did he lose in total?

_____ g) At 7:00 pm, the temperature is -17°C in Nunavut. At 10:00 pm the temperature has fallen another 5 degrees. What is the new temperature?

_____ h) Kennedy was in a submarine which was 13 m below sea level. The submarine rises 2 m. What is the new position of the submarine?

7. Kaleb had \$40 in his bank account. He spent \$13 on lunch. Then, he deposited a cheque for \$100. How much money does Kaleb currently have in his bank account? Write an expression and solve. Respond with a complete sentence.

8. In Saint Jean, the temperature is -11°C . In Fredericton, the temperature is -8°C . What is the difference between these two temperatures? Write an expression and solve. Respond with a complete sentence.

9. When we add a positive integer to a negative integer, will it always give a positive sum? Explain with words, numbers and / or drawings.