Study Guide 7th Grade Math Unit 1a

 Which values are equal A(-8) 	to 8 ? B. 8	C. -8	D -8	CC.7.NS.
2. Evaluate: 9 - -12				CC.7.NS.
3. What is the difference of Location	of the highest and lowe Elevation	st elevations at the park	?	CC.7.NS.
Top of the Mountain Bottom of the Valley	310 feet -49 feet			
4. Evaluate. -3 – 11 =				CC.7.NS.
5. Evaluate. -15 + 6 =				CC.7.NS.
5. Evaluate. -5(-8) =				CC.7.NS.
7. Evaluate. $-35 \div (-7) =$				CC.7.NS.
3. This year, the lowest ter the highest and lowest to		s -14 and the highest w	as 114. What is the range be	etween CC.7.NS
 May threw a ball 26 feet from its highest point of 		l in a ditch that was 9 fe	et deep. How far did the bal	l drop <i>CC.7.NS</i> .
10. Solve18 (4)				CC.7.NS.
11. Solve. 20 ÷ (-5)				CC.7.NS.
12. A Marine called from If it was 9°F. when he		perature had risen 16 deg	grees since the sun came up.	

12. Which answer is t	ne smanest :			
A16 • 8 =	B. −16 ÷ 8 =	C16 + 8 =	D16 - 8 =	
13. Which answer is t	he largest?			CC.7.N
A16 • 8 =	B16 ÷ 8 =	C16 + 8 =	D16 - 8 =	
				CC.7.N
15. Solve. $-7 + 11 - 4$	-3)			00.7.14
15. Solve7 + 11 -	-3)			
	/ing points is found at -3 ?			CC.7.NS.1
	ving points is found at -3?	• • • • • • • • • • • • • • • • • • •	D to the test	

		Money in Bank
18. What is the difference in the bank accounts of May and Kay?	May	\$1,473
CC.7.NS.3	Kay	-\$44

19. The submarine dives -2 feet per second. What is its depth after 20 seconds?

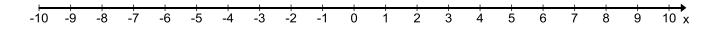
CC.NS7.3

Ions are atoms or groups of atoms with positive or negative electrical charges. The charges of two fictional ions are shown in the table. Use the charges to answer the questions below.

ION	CHARGE
Brohob	+2
Drudra	-6

Part A

One brohob ion and one drudra ion are combined. What is the total charge? ______ Explain your answer using the number line:



Part B

A different atom is formed by combining 2 drudra ions and 4 brohob ions. What is the total charge? Show your work.

Part C

What ion(s) or from the table can be added to the atom formed in Part B to give a total charge of 0?

Justify your answer.

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Question Part	4.5 Points	2.25 Points	1 Point	O PointS
Part A	Student has correct answer AND Student illustrates valid method on number line.	Student has correct answer OR Student illustrates valid method on number line.	Student made a true effort to complete the question, but was unable to get the correct answer	Student did not have correct answer AND Student did not attempt to use the number line.
Part B	Student has correct answer AND Student showed his work.	Student has correct answer BUT Student showed no work.	Student did not have correct answer BUT Student showed work	Student did not have correct answer AND Student did not show work.
Part C	Student has correct answer (based on his Part B answer) AND Student justified his answer well.	Student has correct answer(based on his Part B answer) OR Student justified his answer well.	Student does not have correct answer BUT Student made an attempt to justify his answer.	Student does not have correct answer AND Student did not attempt to justify his answer.