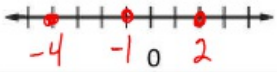
Name _____ Date _____ Per._____ Number _____

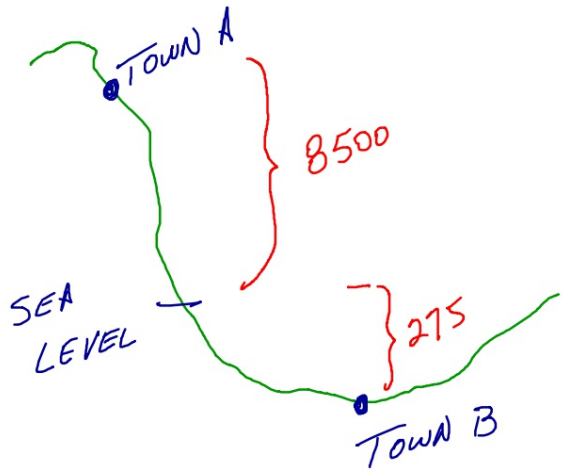
M7 Chapter 3 End of Chapter Practice Test – Integers

Write an integer for each situation. **1.** 300 feet above sea level	+ 300 300
2. a loss of $15	- 15
ABSOLUTE VALUE **3.** | –13 | = 13 -13 IS 13 SPACES AWAY FROM ZERO ON A NUMBER LINE	13
4. | 4 | + | –8 | = 4 + 8 4 + 8 = 12	12
5. | –9 | – | –3 | = 9 - 3 9 - 3 = 6 |-4| - |-10| = 4 - 10 = -6	6
6. Graph the set of integers {–1, 2, –4} on a number line. Use dots and label.	
7. A submarine dives 10 feet per minute for 12 minutes. Which expression represents this situation? -10 12 **A.** 12(10) **B.** 12(–10) **C.** 12 ÷ 10 **D.** 12 ÷ (–10)	B
8. Sandra has $32 in her purse. She pays $15 for a CD. Which expression represents this situation? 32 -15 **A.** 32 + 15 **B.** –32 + 15 **C.** –32 + (–15) **D.** 32 + (–15) 32 - 15 SAME VALUE	D
9. Chi is 38 feet underground touring a cavern. He goes down a ladder 7 feet. Which integer represents is his new location? -38 -7 -38 + (-7) = -45 **A.** –45 feet **B.** –38 feet **C.** –31 feet **D.** –7 feet	A
10. The highest point in California is Mount Whitney at 14,494 feet above sea level. The lowest point in California is in Death Valley at 282 feet below sea level. What is the difference in elevations? SUBTRACTION 14,494 - (-282) = 14,776 **A.** 14,212 feet **B.** 14,494 feet **C.** 14,776 feet **D.** 15,226 feet	C 14,494 SEA LEVEL 0 -282 14,494 282 14,776
11. Draw + and – signs to model the addition of (-5) and (+7). Circle the zero pairs. Write the answer in the answer column. -5 + 7 = 2 3 + (-5) = -2 1 + (-1) = 0 ONE ZERO PAIR 3 ZERO PAIRS FIVE ZERO PAIRS	2

12. Rewrite the subtraction of 3 – (-3) as an addition problem: 3 + 3 = 6 Now solve and write the final answer in the answer column. -(-3) OR +3 0 3 6	6
13. Rewrite the subtraction of -7 – 4 as an addition problem: ADD THE OPPOSITE -7 + $\boxed{-4}$ = -11 Now solve and write the final answer in the answer column. -4 OR +(-4) -11 -7	-11
Evaluate (solve) each expression: 14. 8(-11) = (+)(+) = (+) (+)(-) = (-) (-)(-) = (+) (-)(+) = (-) -11 -11 -11 -11 -11 -11 -11 -11	-88
15. (-40) ÷ 8 = $\frac{(+)}{(+)} = (+)$ $\frac{(-)}{(-)} = (+)$ $\frac{(+)}{(-)} = (-)$ $\frac{(-)}{(+)} = (-)$	-5
16. $\frac{-6}{-3} = 2$ ⊖⊖⊖ ⊖⊖⊖ 2 GROUPS OF -3 EACH	2
17. Trent saved up $500 for summer vacation. If he spends $25 a week for eight weeks, how much money does he have left from his saving? Show how you got your answer: 500 - 8(25) 500 - 200 = 300	HE HAS $300 LEFT IN HIS SAVINGS
What is the value of each expression if *a* = –4, *b* = 6, and *c* = –1? **18.** *bc* ← MULTIPLY THE VALUE "b" TIMES THE VALUE OF "C" 6(-1) = -6	-6
19. 10 – *a* 10-(-4) = 10 + 4 = 14 -4 -(-4) 6 8 10 12 14	14
20. $\frac{-12}{b}$ $\frac{-12}{6} = -2$ ⊖⊖ ⊖⊖ ⊖⊖ ⊖⊖ ⊖⊖ ⊖⊖	-2

TOWN A UP IN THE MOUNTAINS 8,500 ft ABOVE SEA LEVEL

TOWN B IS IN A VALLEY 275 ft BELOW SEA LEVEL



$$\begin{array}{r} 8500 \\ +\ 275 \\ \hline 8775 \end{array}$$

WHAT IS THE DIFFERENCE BETWEEN THE ELEVATIONS?

$8500 - (-275)$

$8500 + 275$

practice

$5 - (-6) = 5 + 6 = 11$

$-4 - (-10) = -4 + 10 = 6$