

Please fill out your binder reminder and then clear everything off your desk except a red pen.

M7 Chapter 3 End of Chapter Test – Integers

<p>Write the integer that represents each situation.</p> <p>1. a loss of 15 yards</p>	<p>*</p> <p>-15</p> <p>(3 points)</p>
<p>2. a raise of \$45</p>	<p>+45 or 45</p> <p>(3 points)</p>
<p>3. $-43 =$</p>	<p>43</p> <p>(3 points)</p>
<p>4. $-4 + 5 =$ 4 + 5 = 9</p>	<p>9</p> <p>(3 points)</p>
<p>5. $-5 - -9 =$ 5 - 9 = -4 5 + (-9) = -4</p>	<p>-4</p> <p>(3 points)</p>
<p>6. Graph the set of integers {1, -2, 4} on a number line. Use dots and label.</p>	<p>(3 points)</p>
<p>7. A turtle <u>dives</u> towards deeper water at a rate of 8 inches per second. It continues diving for a total of 16 seconds. Which expression represents this situation? [remember, answers A and B show multiplication]</p> <p>A. $16(-8)$ B. $-16(-8)$ C. $16 \div 8$ D. $16 \div (-8)$</p>	<p>A</p> <p>(3 points)</p>
<p>8. Marisol owes her mother \$26. Then she borrows <u>another</u> \$5 to pay for lunch. Which expression represents this situation?</p> <p>A. $-26 + (-5)$ B. $-26 + 5$ C. $26 + (-5)$ D. $26 + 5$</p>	<p>A</p> <p>(3 points)</p>
<p>9. When Kiley started skiing it was 10° (degrees) <u>below</u> zero. By lunch it had warmed up to 19° (degrees) <u>above</u> zero. What integer represents the difference in temperatures?</p> <p>A. -29° B. -9° C. 9° D. 29°</p>	<p>D</p> <p>(3 points)</p>
<p>10. Luisa is 43 feet underground touring a cavern. She climbs a ladder <u>up</u> 14 feet. Which integer represents is her new location?</p> <p>A. -43 feet B. -14 feet C. -29 feet D. -57 feet</p>	<p>C</p> <p>(3 points)</p>
<p>Evaluate (solve) this expression:</p> <p>11. $-4 + (-6) =$</p>	<p>-10</p> <p>(3 points)</p>

Evaluate (solve) each expression:		
12.	$-3 + 12 =$	 (3 points)
13.	$-6 - 8 =$ $-6 + (-8) = -14$	 (3 points)
14.	$-1 - (-5) =$ $-1 + 5 = 4$	 (3 points)
15.	$4(-3) =$ [this shows 4 times 3]	-12 (3 points)
16.	$\frac{-12}{-3} =$ [remember fractions show division]	4 (3 points)
17.	Jean saved up \$750 for summer vacation. If she spends \$30 a week for nine weeks, <u>how much money does she have left from her savings?</u> Show how you got your answer:	$\begin{array}{r} \textcircled{2} \ \$750 \\ - \ 270 \\ \hline \ \$480 \end{array}$ $\textcircled{1} \ \text{TOTAL SPENT } \$30(9) = \$270$ $\$480$ (3 points)
What is the value of each expression if $m = -3$, $n = 8$, and $p = -1$?		
18.	np [this means n times p]	$8(-1) = -8$ (3 points)
19.	$9 + m$	$9 + (-3) = 6$ (3 points)
20.	$\frac{-18}{m}$	$\frac{-18}{-3} = 6$ (3 points)
Extra credit (3 points)		
What two <u>integers</u> have a difference of 11 and a product of -24		$\begin{array}{l} \text{SUBTRACT} \\ (-)(+) = (-) \\ \text{MULTIPLY} \\ -2(12) = -24 \\ 2 - (-12) = 14 \\ -12 - (2) = -14 \end{array}$ $3 \times 8, 4 \times 6, 2 \times 12$ $\begin{array}{l} -3(8) = -24 \\ 8 - (-3) = 11 \\ -8(3) = -24 \end{array}$ (3 points)