

Name: _____

Block: _____

Date: _____

INTEGERS: Study Guide

Test on: _____

	3 - MS	2- PMS	1 - DNM
Competency 2 - Learning Target #1: I can add integers.			

DIRECTIONS: Add the integers. Show your work!

1.) $-36 + (-12) =$

2.) $-24 + 12 =$

3.) $-42 + (-12) =$

4.) $42 + (-35) =$

5.) $32 + (-42) =$

6.) $72 + (-23) =$

	3 - MS	2- PMS	1 - DNM
Competency 2 - Learning Target #2: I can subtract integers.			

DIRECTIONS: Subtract the integers. Show your work!

7.) $-13 - (-44) =$

8.) $(-11) - 39 =$

9.) $52 - (-12) =$

10.) $29 - 43 =$

11.) $(-843) - 342 =$

12.) $45 - 94 =$

3 - MS

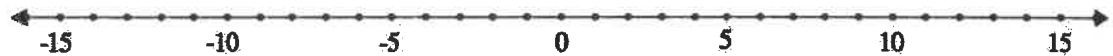
2- PMS

1 - DNM

Competency 2 - Learning Target #3: I can represent addition of integers on a number line.			
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DIRECTIONS: Model the following addition problems on the number line.

13.) $-3 + (8) =$ _____



14.) $7 + (-2) =$ _____



3 - MS

2- PMS

1 - DNM

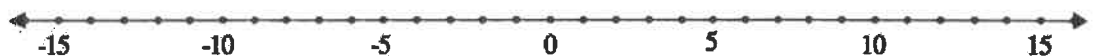
Competency 2 - Learning Target #4: I can represent subtraction of integers on a number line.			
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DIRECTIONS: Model the following subtraction problems on the number line.

15.) $-6 - (3) =$ _____



16.) $6 - (-3) =$ _____



	3 - MS	2- PMS	1 - DNM
Competency 2 - Learning Target #5: I and represent the distance between two integers on a number line as an absolute value.			

DIRECTIONS: Find the absolute value.

17.) $|-33| =$

18.) $|2 + -7| =$

19.) $|-24| + |13| =$

20.) What is the distance between -12 and 33 on the number line?

	3 - MS	2- PMS	1 - DNM
Competency 2 - Learning Target #6: I can multiply integers.			

DIRECTIONS: Multiply the integers. Show your work!

21.) $-4(12) =$

22.) $-10(-6) =$

23.) $20(-4) =$

24.) $2(12) =$

25.) $-8(3) =$

26.) $-3(-4) =$

DIRECTIONS: Evaluate each expression if $a = -6$, $b = -4$, $c = 3$

27.) $-5c =$

28.) $3b =$

29.) $5a =$

3 - MS

2- PMS

1 - DNM

Competency 2 - Learning Target #7: I can divide integers.			
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DIRECTIONS: Divide the integers. Show your work!

30.) $-18 \div 2 =$

31.) $\frac{49}{-7} =$

32.) $-30 \div (-5) =$

DIRECTIONS: Evaluate each expression if $x = 8$ and $y = -5$

33.) $55 \div y =$

34.) $-40 \div x =$

35.) $-45 \div y =$

3 - MS

2- PMS

1 - DNM

Competency 2 - Learning Target #8: I can compare and order integers			
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DIRECTIONS: Put the following integers in order from smallest to largest.

36.) 5, -34, 12, -4, 11, -3

_____ / _____ / _____ / _____ / _____ / _____

37.) -51, 3, 2, -1, 5, -32

_____ / _____ / _____ / _____ / _____ / _____

3 - MS

2- PMS

1 - DNM

Competency 2 - Learning Target #9: I can solve real-world and mathematical problems involving integers using one or more of the four basic operations.			
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DIRECTIONS: Solve the real-world problems using integer operations.

38.) Suppose the temperature is -6°F . What will the temperature be if it rises 51°F ?

39.) If a submarine dives from a depth of 532 meters to a depth of 1,210 meters, what is the change in its depth?

40.) A squirrel climbed 38 inches up a tree, slipped back 15 inches, and then climbed up 45 inches more. How far up the tree has the squirrel made it?

41.) A skydiver falls at approximately 12 meters per second. How many meters will he fall in 25 seconds?