

Name: _____ Date: _____ Period: _____

Math 8 Unit 2 Practice Test ~ Integers

Teacher Assessment:

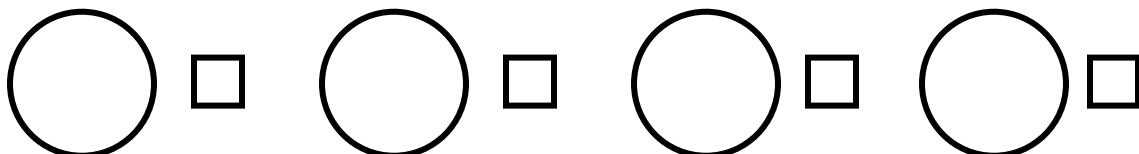
Fully Meeting Expectations 4	Meeting Expectations 3	2	Not Yet Meeting Expectations 1
<ul style="list-style-type: none"> Student has demonstrated a thorough understanding of the mathematical concepts and how they relate to procedures. All the work has been logically shown to provide accurate solutions with only minor errors in computations NOT procedures or processes when necessary. It is clear that students are proficient in the language used in these units. 	<ul style="list-style-type: none"> Student has demonstrated a partial understanding of the mathematical concepts and how they relate to procedures or processes. The work appears to follow a logical sequence, but there are some errors. Some work is shown to demonstrate understanding of the procedures, but is not complete. Work may appear to be rushed or partially understood. 		<ul style="list-style-type: none"> Student has not successfully demonstrated their understanding of the mathematical concepts and how they are related to procedures. The work shown is incomplete, and no logical process has been followed. Computation involves major errors, and or computation shows a weak understanding of concepts learned. An inappropriate method has been used to solve the question.

Question	Learning Outcome	Assessment			
1	A7: demonstrate an understanding of multiplication and division of integers, concretely, pictorially, and symbolically	4	3	2	1
2		4	3	2	1
3		4	3	2	1
4		4	3	2	1
5		4	3	2	1
6		4	3	2	1
7		4	3	2	1
8		4	3	2	1
		4	3	2	1

Overall Letter Grade: **A** **A-** **B+** **B** **B-** **C+** **C** **C-** **I**

Student Assessment: I feel _____ with my effort in this unit because _____

Put at check in one of the boxes below that indicates how you feel about the concepts learned.



1. **Model** each of the following expressions using pictorial representations and **explain** the process.

a) $(+4) \times (+5)$

b) $(+3) \times (-6)$

c) $(-2) \times (+7)$

d) $(-1) \times (-8)$

2. Generalize a **rule** for determining the **sign** of the **product and quotient** of integers.

3. Find the product or quotient for each of the following expressions.

a) $(+20) \times (+4) =$

b) $(+13) \div (-1) =$

c) $(-144) \div (+12) =$

d) $(-9) \times 0 =$

4. Use the integers +4, -8, +7, +10, and -9. Which two integers have the **least product**?

5. Evaluate using Order of Operations. **Please show all work and describe step by step what you did in order to solve the problem.**

a) $15 + 5 \times 4 - 11 =$

b) $\frac{-28}{(-5)(-6) - 2} =$

6. Add brackets to make this statement true.

$$8 + 5 \times (-6) - 4 = -42$$

