

Grade 8 Integer Review (Add/Subtract/Multiply/Divide)

Name: _____

1) Model the following using tiles and state the answer

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

b) $(-4) \times (-5)$

c) $(-7) \times (+3)$

2) Sketch a number line that represents a) $(+3) \times (-8)$

b) $(+7) \times (+5)$

3) Write a multiplication or division sentence for the following situations:

a) Kim spends \$60 for \$7 week. How much is spent in total?

b) A diver makes 3 descends of 20 meters below sea level. What is his final depth?

c) The temperature of a chemical increases 2 degrees each hour. If the total change is +16 degrees then how long did it take for this change to occur?

d) Sarah earns a total of \$144 from selling books at \$9 each. How many books did Sarah sell?

4) Write the repeated addition as multiplication

a. $(-2) + (-2) + (-2) + (-2)$

b. $(+3) + (+3) (+3) +(+3) +(+3) + (+3)+ (3)$

5) Use the distribution property (Box method) to answer the following

a. $(-14) \times (+26)$

b) $(-74) \times (-52)$

c) $(+18) \times (+30)$

d) $(+40) \times (-46)$

6) Write a division equation for the following (Hint: Write a multiplication first)



