**Integers Final Exam Review**

* **Multiplying Integers with Diagrams**

1. Write as repeated multiplication.

(+4) + (+4) + (+4) + (+4) + (+4)

1. Write as repeated addition.

(+4) x (-9)

1. What multiplication statement does each diagram represent? (white positive, shaded negative)

= =

1. Use the multiplication of two integers to represent the situation. Determine its product and explain its meaning. *The temperature decreased for 8h at 2˚C per hour.*
2. Show how tripling an integer does not always produce a larger integer.

* **Multiplying Integers**

1. What multiplication statement is represented?
2. Determine each product.

(+10)(+16) (-24)(-6) (+11)(0) (-1)(+6)

1. A cable company offers an $8 discount per month if internet access is also purchased. How much is the annual discount?
2. +11, -34, +7, +30, -11, -28, +40, -6 *In the list of integers given identify the two integers with the greatest product.*
3. Copy and complete each multiplication statement.

(+6) x = +72 x (+12) = -12

* **Dividing Integers**

1. Using chips draw a diagram to represent the division statement.

(+12)÷(+6) = +2 (-8) ÷ (+4) = -2

1. Using a number line show a diagram that represents (+14) ÷ (+2) = +7
2. Determine each quotient.

(+48) ÷ (+3) (+40) ÷ (-10) (-30) ÷ (-30) 0 ÷ (-13)

1. Shane borrowed $25 per month from his brother to pay for a cell phone. When he bought the phone he owed his brother $375. How many months did he borrow money?
2. A school spent $6090 to buy 15 cameras. What was the cost of each camera?

* **Applying Integer Operations**

1. Calculate.

(-6) x [(+22) – (+18)] + (-8) -40 ÷ 20 + 4 x (-5)

1. The daily lows for five days were -6˚C, +3˚C, -4˚C, -4˚C, +3˚C and -8˚C. What is the mean of these temperatures?
2. The mean of six integers is -24. What is the sum of the integers?
3. The average temperature is 22˚C in the morning. The temperature rises 2˚C every hour. How long does it take to reach 34˚C?

**Questions to Review**

Chapter 8 Get Ready

Pg. 291 # 5 – 13

292 #14 – 18

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Integers Assignment 1

8.3 Exploring Integer Division

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Integers Assignment 2

Integer Test