7th Grade Spring Break Review Packet  
Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
  
**Order of Operations**

* 17 – 6 ∙ 10 ÷ 2 + 12

**Adding Integers**

* 172 + (–167) + (–10) + (–144)

**Subtracting Integers**

* 6 – (–9)

**Multiplying and Dividing Integers**

* 4(–7)
* –88 ÷ 11
* –95 ÷ −5

**Adding and Subtracting Rational Numbers**



**Multiplying Rational Numbers**



**Dividing Rational Numbers**



**Solving One-Step Equations**

* y + (–6) = –9

**Solving Two-Step Equations**

* –6 + 3x = –9

**Solving Multi-Step Equations**

* 5*m* + 4*m* = 72
* 78 = -2(*m* + 3) + *m*
* x + 7 = 6x – 3
* Suppose you have 30 CDs. You know that you have 11 more CDs than your friend. Write and solve an equation to find the number of CDs your friend has.

**Solving One-Step Inequalities**

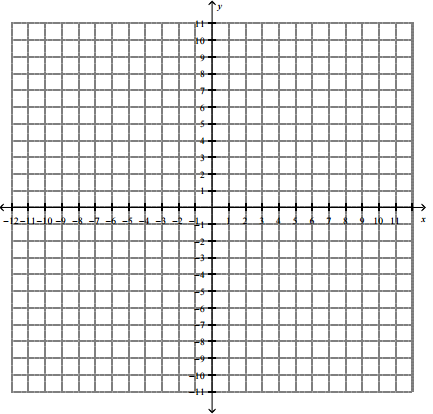
* -a + 4 ≥ 8
* q – 7 > 0
* Mark wants to buy a video game system for $270. He has $60 and is saving $30 each week. Solve the equation 30w + 60 = 270 to find how many weeks w it will take Mark to save enough to buy the system

**Solving Two-Step Inequalities**

* 3 m+9 ≤ 49.
* − 2 x – 10 > - 14
* -x – 4x < 0

**Graphing on the Coordinate Plane**

* Graph and label each ordered pair on the coordinate plane below
  + A (4, 6)
  + B (-5, 7)
  + C (-9, -5)
  + D (0, -4)



**Measures of Central Tendency**

23, 29, 24, 19, 27, 16, 28, 20, 20, 21, 25

* mean:
* median:
* mode:
* range:

**Proportions: Solve for the unknown variable.**

* If it takes 8 furniture delivery trucks to cover 72 square miles, how many trucks are needed to cover 136 square miles? Write and solve a proportion.

**Unit Rates**

* 48 gallons in 12 minutes

* 400 meters in 22 seconds