Homework #8  
Due March 17, 2016

Proportional Reasoning – Unit Rates
1. Read the 7th grade section of RP Progressions (p. 8-11).

2. Use Jose’s Workout to clarify 7th grade expectations in 7.RP.2

   1. Use the information in the table to solve Jose’s Workout problem.
      2. Make a graph and write an equation to match the context of the story.
      3. Write a reflection on how Jose’s Workout task supports the expectations in 7.RP2. Make connections to the ideas in the Progression document.

<table>
<thead>
<tr>
<th>Minutes</th>
<th>Calories</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>7 1/2</td>
</tr>
<tr>
<td>7</td>
<td>11 1/2</td>
</tr>
<tr>
<td>12 1/2</td>
<td>31 1/4</td>
</tr>
</tbody>
</table>

Number Talk: Subtraction Strategies
1. Read Chapter 4 in Humphrey’s book.
   a. Introduction to subtraction and five subtraction strategies (p. 37- 41).
   b. Study 2 strategies in depth. Add a visual model to clarify your thinking.

   #1 Round and subtract to a multiple of 10 (p.41 – 44).
   Practice on the following problems:

   71 – 39  
   3.63 – 1.95  
   3 ½ - 1 5/6

   #4 Same Difference (p.47 – 50)
   Practice on the following problems:

   57 – 18  
   7.6 – 3.8  
   5 ¼ - 3 7/8

Project Requirements
1. Number Talks –
   a. Part A - Number Talk project – Due April 7
   b. Part B – Number Talk Log –Due February 25th.

2. Student Work Analysis – Due April 7