

Quiz 1, MTH 2010 - No Calculators

Dr. Graham-Squire, Fall 2014

Z:36

Z:39

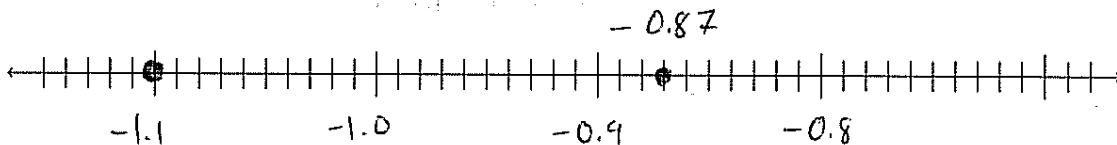
3 min

Name: KEY

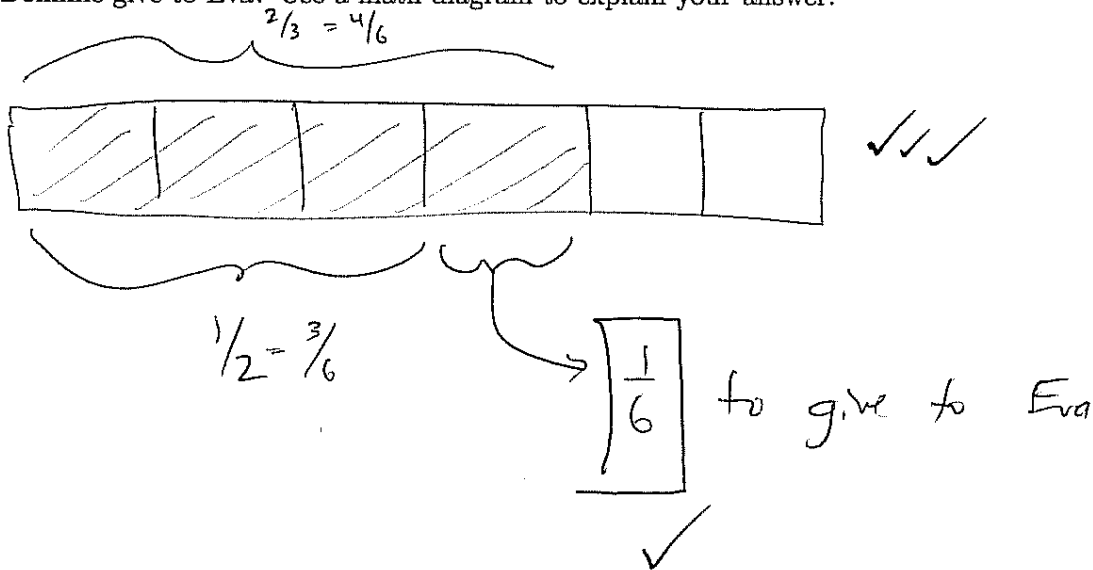
1. (1 point) Round 13,536 to the nearest thousand.

14,000

2. (1 point) Correctly place -1.1 and -0.87 on the number line below in such a way that the numbers are distinct. Use tick marks appropriately, but the numbers -1.1 and -0.87 do not have to land on a tick mark. You do NOT need to use the whole number line!



3. (2 points) Dominic has $\frac{2}{3}$ of a chocolate bar. He wants to give a piece to his sister Eva, but still have $\frac{1}{2}$ of the chocolate bar for himself. What fraction of the chocolate bar should Dominic give to Eva? Use a math diagram to explain your answer.



4. (3 points) A class is using base-ten block to represent numbers. A large cube represents 1000, a flat represents 100, a rod represents 10, and a little cube represents 1. Which of these is not a correct representation for 2,347?

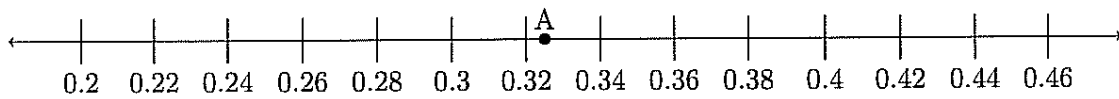
(a) 2 large cubes, 3 flats, 47 rods $2 \cdot 1000 + 3 \cdot 100 + 47 \cdot 10 \neq 2347$

(b) 23 flats, 4 rods, 7 little cubes $23 \cdot 100 + 4 \cdot 10 + 7 \cdot 1 = 2347$

(c) 2 large cubes, 3 flats, 4 rods, 7 little cubes $2 \cdot 1000 + 3 \cdot 100 + 4 \cdot 10 + 7 =$

(d) 2 large cubes, 34 rods, 7 little cubes $2 \cdot 1000 + 34 \cdot 10 + 7 \cdot 1 =$

5. (3 points) Below is a portion of a number line.



Point A is one-quarter of the distance from 0.32 to 0.34. What number is represented by point A?

(a) 0.33

(b) 0.325

(c) 0.3225

(d) 0.32

