

Week 5 Project Assignment

Due: September 28, 2011

Name: _____

Date: _____

Please complete all your work (including all steps) on a separate sheet of paper and use this page as coversheet.

Ms EAPEN Period: _____

Q1] Where do they go ...

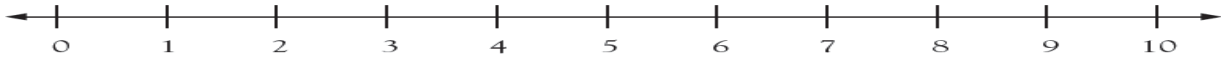
Using a number line (similar to one shown below) show approximately where each of the following number would fall.

a) $\sqrt{96}$

b) $\sqrt{35}$

c) $\sqrt{24}$

d) $\sqrt{17}$



Explain your thinking.

Q2] Bigger or Smaller ...

Bert and Ernie are discussing their math homework. Bert says, "When you multiply one number by another number, the result is always bigger than the number you started with. When you divide one number by another number, the result is always smaller than the number you started with." Is Bert's statement always true? Can you give examples in which the statement is true and other examples in which the statement is false?

Q3] More than one ...

Bart Simpson is looking over his younger sister's math homework. He notices that she had written the following:

$$\frac{3}{4} + \frac{2}{3} = \frac{5}{7}$$

Without doing any calculations, Bart tells her that this is an incorrect math sentence. Is he right? What might he be thinking? How could he explain his reasoning to his sister?