

DCAS-Alt1 Released Task

Content Area: Math	Grade Band: 6-8
Name of task: Task 1: Real Numbers	Number of Items in Task: 5
Description of task: For each item, the student is presented with a poster of a number line. The test administrator presents the student with a card indicating a number. The student is then asked to indicate where the number can be found on the number line. The student will use his/her mode of communication to answer.	
Standards addressed in this task: The Number System (NS) (8.2) Use rational approximations of irrational numbers to compare the size of irrational numbers, locate them approximately on a number line diagram, and estimate the value of expressions (e.g., π^2). For example, by truncating the decimal expansion of $\sqrt{2}$, show that $\sqrt{2}$ is between 1 and 2, then between 1.4 and 1.5, and explain how to continue on to get better approximations. Essence: Estimate the values of numbers E1: Given decimals, identify corresponding points on a number line and compare. E2: Round decimals to the nearest whole number and identify the corresponding points on a number line. E3: Given whole numbers, identify the corresponding points on a number line.	
Connections to academic instruction: <ul style="list-style-type: none">• Decimals• Greater than/less than• Negative and positive numbers• Number value• Place value• Rounding• Using a number line	
Real life application: <ul style="list-style-type: none">• Determining amount needed for purchase• Determining the next hour to come on a clock• Using units of measurement (e.g., ruler, yard stick)	