

M7A.1.2.2

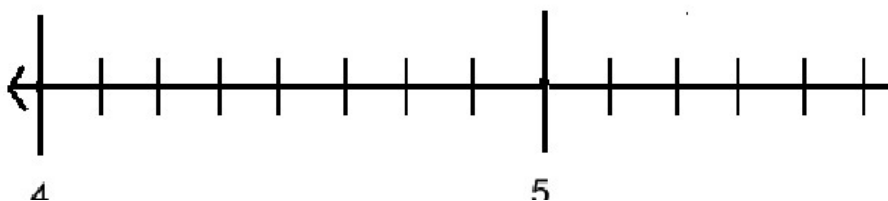
Indicator**Type:****Subject:** Math**Grade Level:** 7**Benchmark:** 7.A.1.2 Compare quantities and/or magnitudes of numbers**Standard:** 7.A.1 Demonstrate an understanding of numbers, ways of representing numbers, and number systems

Four students in a science class reported the amount of gas (measured by weight) that was released in a chemical reaction they performed. The values reported by the students were expressed in different formats (improper fractions, mixed fractions, and mixed decimals) as shown in this table:

Student	Results of Experiment (weight in grams)
Student 1	5.5 g
Student 2	5-3/4 g
Student 3	21/4 g
Student 4	5-5/8 g

Bob decided to place and label these values on a number line to illustrate which student result reported the largest experimental weight and which student reported the smallest weight. He used the number line shown below:

[Fig -1]

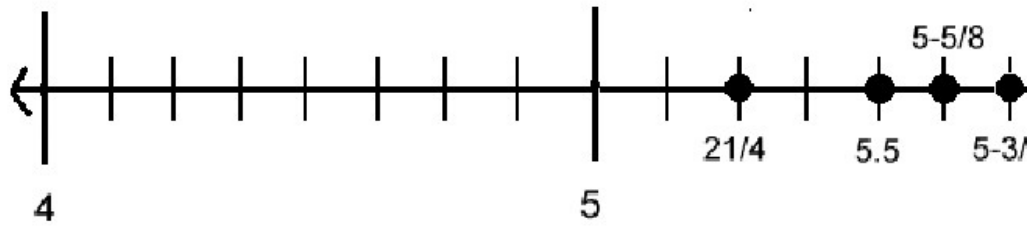


- Copy or trace the number line to a separate sheet of paper.
- Place and label the numerical result obtained by each student as a point on the number line. Label each point in the numeric format (improper fraction, mixed fraction, or mixed decimal) used in the table.
- Which student report shows the largest weight in grams?
- Which student report shows the smallest weight in grams?

ANSWER:

A) [See figure 1]

B)



- C) Student 2
- D) Student 3