Grade 7 Mathematics Sample SR Item

MAT.07.SR.1.000NS.B.163

Sample Item ID:	MAT.07.SR.1.000NS.B.163
Grade:	07
Claim(s):	**Claim 1: Concepts and Procedures** Students can explain and apply mathematical concepts and carry out mathematical procedures with precision and fluency.
Assessment Target(s):	1 B: Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers.
Content Domain:	The Number System
Standard(s):	7.NS.1
Mathematical Practice(s):	1, 2, 6
DOK:	2
Item Type:	SR
Score Points:	2
Difficulty:	M
Key:	4.9, -7/3, -5, -1.75, and 1.34
Stimulus/Source:	No calculator
Target-Specific Attributes (e.g., accessibility issues):	
Notes:	Multiple keys

Identify the number(s) that makes each statement true. You may select more than one number for each statement.

1a. $-4.8+\square=$ a positive number ◯ -5.2 ◯ 4.9

1b. $\square-1\frac{1}{2}=$ a negative number ◯ $\frac{3}{2}$ ◯ $-\frac{7}{3}$

1c. $\square+5=$ zero ◯ -5 ◯ 5

1d. $-2.15-\square=$ a negative number ◯ -1.75 ◯ 1.34

Scoring Rubric:

2 points: The student shows thorough understanding of the addition and subtraction of rational numbers and that the sum of opposites is zero. This is shown by the student answering all parts correctly, choosing 4.9, -7/3, -5, -1.75, and 1.34.

1 point: The student shows understanding of the addition and subtraction of rational

	numbers but limited understanding that the sum of opposites is zero. This is shown by the student correctly answering statements 1a, 1b, and 1d. **OR** The student makes an error on one part of the response, but otherwise answers all parts correctly.
0 points:	The student shows inconsistent or no understanding of addition and subtraction of rational numbers or that the sum of the opposites is zero. This is shown by the student incorrectly answering two or more parts.