***MAFS.7.NS.1 Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers.***

**MAFS.7.NS.1.1** Apply and extend previous understandings of addition and subtraction to add and subtract rational numbers; represent addition and subtraction on a horizontal or vertical number line diagram.

**MAFS.7.NS.1.1a** Describe situations in which opposite quantities combine to make 0. For example, a hydrogen atom has 0 charge because its two constituents are oppositely charged.

**MAFS.7.NS.1.1b** Understand 𝑝+𝑞 as the number located a distance |𝑞| from 𝑝, in the positive or negative direction depending on whether 𝑞 is positive or negative. Show that a number and its opposite have a sum of 0 (are additive inverses). Interpret sums of rational numbers by describing real-world contexts.

**MAFS.7.NS.1.1c** Understand subtraction of rational numbers as adding the additive inverse, 𝑝 –𝑞=𝑝+(–𝑞). Show that the distance between two rational numbers on the number line is the absolute value of their difference, and apply this principle in real-world contexts.

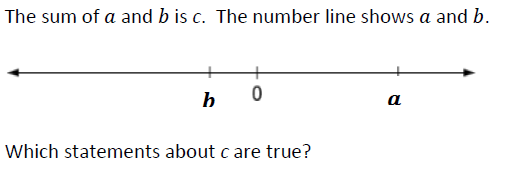
**MAFS.7.NS.1.1d** Apply properties of operations as strategies to add and subtract rational numbers.

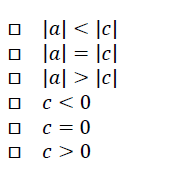
**Item Type**

**Multi-Select**

*Teachers, in order for students to be able to practice the Multi-Select Technology-Enhanced Item (TEI) Type for the FSA, students would drag the check marks (below the problem) to the boxes that are given in order for them to show their answer choices.*

***Keep in mind that all correct answers must be selected for a student to receive any credit for the item.***

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