



## ORDERING RATIONAL NUMBERS TEACHER GUIDE

### ACTIVITY STUDENT OBJECTIVE

I can order a set of rational numbers, including integers and negative rational numbers.

### DEBRIEFING QUESTIONS

- ★ How can you sort the numbers into groups before ordering them? Why might this be helpful?

### SCAFFOLDING SUGGESTIONS

- ★ Consider placing the numbers on small sticky notes or small pieces of paper. Students can then physically order the numbers before recording an answer.
- ★ Consider having students draw an open number line and place the values on the number line as they place the numbers in order from least to greatest.
- ★ Prompt students to look for groups of numbers based on place value. For example, compare all of the numbers from 0 to 10, then all of the numbers from 10 to 20.

### FOOTBALL BACKGROUND KNOWLEDGE

As the team works to move the ball closer to the goal line, the progress is measured in yards gained (a positive value) or yards lost (a negative value). Yards may also be gained or lost due to penalties that are awarded to them (a positive value) or taken against them (a negative value). The net yards value for each play is a sum of the yards gained (or lost) in the possession and the yards gained (or lost) due to penalties.



The Stats Challenge curriculum was developed by educators at Region 4 in conjunction with the Houston Texans



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