

# 7<sup>th</sup> Grade Learning Progression

## Representing Proportions

I can solve given proportions using a variety of strategies.

I remembered to...

- Set up equivalent fractions.
- Find a unit rate.
- Make a table.

Students complete exit task on solving proportions and showing their reasoning.

Ex.  $\frac{2 \text{ runs}}{7 \text{ innings}} = \frac{? \text{ runs}}{9 \text{ innings}}$

Baseball students may recognize this as e.r.a.



I can set up a proportion matching a real life situation.

I remembered to...

- Identify needed info.
- Label information.
- Match comparisons on both sides. Such as,  $\frac{\text{dogs}}{\text{bones}} = \frac{\text{dogs}}{\text{bones}}$

In small groups, students set up proportions for real life scenarios. Teacher assesses by monitoring students' progress throughout.

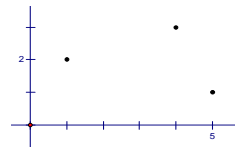


I can plot an ordered pair on the xy-axis.

I remembered to...

- Label my axis and graph.
- Move over for the x-coordinate and up for the y coordinate.
- Use appropriate scale.

Students will be asked to graph (1,2), (5,1), and (4,3) on their white boards for quick review.




I can write an equation matching a given proportion.

I remembered to...

- Make a table of data.
- Find a rule connecting each pair.
- Express my rule as an equation with 2 variables.

Students will use whiteboards to show equations representing...

- 3 to 4
- 5 to 2



**7.2.E**  
I can represent and understand proportions as graphs, tables, and equations.  
**CCSSM 7.RP.2**