



## RATIOS & RATES

### TEACHER GUIDE

#### ACTIVITY STUDENT OBJECTIVE

I can use ratios and rates to make comparisons between quantities and make predictions.

#### DEBRIEFING QUESTIONS

- ★ What information is provided? The part? The whole? How can you use the information given to determine the missing information?
- ★ What strategies can you use to solve each problem?
- ★ Is there a proportion you can set up to make a prediction?

#### SCAFFOLDING SUGGESTIONS

- ★ Prompt students to draw a strip diagram to show the parts of the ratio. For example, for the problem 2 the students would draw a strip diagram with 2 parts for the red t-shirts and 1 part for the blue t-shirt. Students may use the strip diagram to solve the problem.

#### FOOTBALL BACKGROUND KNOWLEDGE

A third down conversion is when the team gains at least 10 yards at the end of the third play or the team scores points at the end of the third play. Teams who do not have a third down conversion must determine if they will make another play or if they will punt to the other team and lose possession of the ball.



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



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