

"A Basketball Tale"

South Carolina College- and Career-Ready Standards for Mathematics:

5.NSF.6 Solve real-world problems involving multiplication of a fraction by a fraction, improper fraction and a mixed number.

Objective:

By the end of the lesson/activity, the students will be able to:

- Solve a real-world multiplication problem with fractions.

Materials:

- "A Basketball Tale" activity sheets

Teacher Preparation:

- Copy the activity sheet for each student.

Activity:

Read the scenario aloud. The teacher may work through each section of the activity with the students or allow them to collaborate with their peers. During whole group, allowing students to share how they represented the story using visuals and justified their answer.

Question(s):

- What are we trying to find in this story? How do you know?
- How is [Student Name]'s visual representation different from yours?
- Could you model this problem differently? How so?

Extensions:

- Use the template to make additional stories for students to analyze. Vary the difficulty level by adjusting the numbers.
- Fill-in the visual representation or equation and allow students to complete the other sections on the activity sheet.



Name: _____ Date: _____

A Basketball Tale

Story

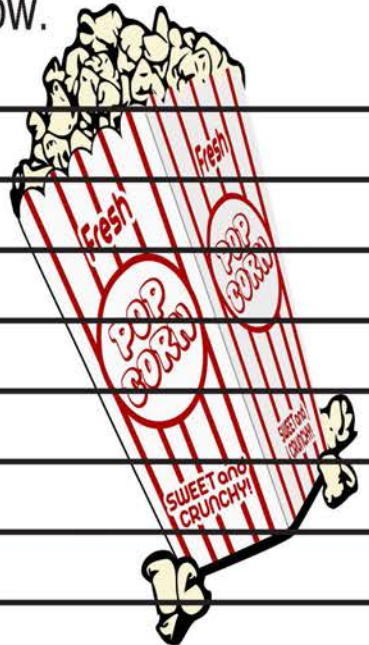
Jason enjoys attending the basketball games at the local university. During one particular game, Jason, his younger sister, and his dad ordered popcorn from the concessions stand. By the end of the game $\frac{2}{3}$ of the popcorn from each container had been eaten. How much popcorn did the family eat?

Visual Representation

Draw a model to represent the story.

Equation: x =

Justify your answer below.



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Story

Visual Representation

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Equation: x =

Justify your answer below.
