

Lesson Title: Multiplying & Dividing Fractions Designer: Robin Carden  
Discipline: Math Grade Level: 4-5

**Activity 1:** Measuring TV Screens  
(Appropriate for *AFTER* the Broadcast Lesson)

**Activity Goal:** Determine the size of different TV screens

**Targeted Math Skills:** Multiplying mixed numbers

**Materials:** Paper, pencil, and "Measuring TV Screens Problem".

**Steps:**

1. Using the measurements in the table provided determine the area of each of the TV screens.
2. Determine if there is a TV screen that is bigger than the one Thomas' family currently has.

**Resource:** HCPSS - About the Math, Learning Targets, and Rigor (5.NF.4.)

**Activity 2:** Error Analysis  
(Appropriate for *AFTER* the Broadcast Lesson)

**Activity Goal:** Correct the errors made in the problems

**Targeted Math Skills:** Multiplying and Dividing Fractions

**Materials:** Paper, pencil, and "Error Analysis Problems".

**Steps:**

1. Read the error analysis problem.
2. Determine what is incorrect.
3. Do the math correctly.
4. Explain your math.

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## Additional Resources for Lesson-Related Extension Activities:

- **Student-Facing**
  - Multiplying fractions games for grade 4 (SplashLearn) - <https://www.splashlearn.com/multiplying-fractions-games-for-4th-graders>
  - Dividing fractions game (Fractions4Kids) - <https://www.fractions4kids.com/dividing-fractions-moonshoot-game/>
- **Teacher-Facing**
  - Grade 5 (5.NF.4) About the Math, Learning Targets, and Rigor (HCPSS) - <https://hcpss.instructure.com/courses/108/pages/5-dot-nf-dot-4-about-the-math-learning-targets-and-rigor>
  - Multiplying and dividing fractions lesson plans grade 4 (Education.com) - <https://www.education.com/resources/fourth-grade/multiplying-and-dividing-fractions/>