

Understanding Fractions and Mixed Numbers

Performance Task Objectives

- Read and write a fraction as part of a whole or part of set, and simplify or find equivalent fractions
- Read, write, round, rename mixed numbers
- Compare and order fractions and mixed numbers
- Estimate and measure length in customary units

Sunshine State Standards

- MA.A.1.2.3
- MA.A.3.2.1
- MA.B.1.2.2
- MA.B.2.2.1
- MA.B.2.2.2
- MA.B.4.2.2

Materials

- Student recording sheet
- Customary measuring tapes or yardsticks
- Chart paper
- Colored markers
- Paper and pencil

Student arrangement

- Small group

Task

Present the problem on the student Recording Sheet to your students.

Performance Criteria

- Does the student accurately measure each height in inches?
- Does the student correctly express each height in feet as a mixed number?

- Does the student correctly order each height from shortest to tallest?
- The use of an accurate bar graph for task #4 could be accepted as an extension of the student's knowledge.

Name _____

Work with your group to perform this task.

The Health Office wants a record of the heights of all fifth-grade students. You can help by preparing a chart of the heights of the students in your group.

1. Measure and record the heights of your group members to the ***nearest inch***.
2. Express each height in feet and inches.
3. Write each height as a mixed number in lowest terms.
4. Show the heights in order from shortest to tallest on a chart.
5. Write an explanation describing how you accomplished this task.