

Just Hanging Around

Gymnasts hang around the gym for hours. Male gymnasts also spend plenty of time hanging on rings. They practice skills in ways that they and their coaches decide are reasonable.

Write an equation to represent each problem. Then use estimation to help you decide if the calculation in the problem is reasonable. Write *yes* or *no* and explain your decision.

yes or no

- _____ 1. The rings are suspended $95 \frac{3}{4}$ inches from the floor. Jason asks to have them raised $3 \frac{7}{12}$ inches to 98 inches. Has he calculated correctly?

Equation: _____

Explanation: _____

- _____ 2. Gymnasts are lined up at the drinking fountain. The first four each take $10 \frac{3}{10}$ seconds. The fifth takes $5 \frac{4}{5}$ seconds. The sixth and seventh each take $12 \frac{2}{5}$ seconds. Mariah, who is eighth, calculates that she has waited 1 minute, $11 \frac{4}{5}$ seconds for her turn. Is she right?

Equation: _____

Explanation: _____

- _____ 3. When Lorenzo does his floor routine, his first series of flips covers $10 \frac{15}{100}$ meters of the 12-meter mat width. Has he left $1 \frac{17}{20}$ meters uncovered?

Equation: _____

Explanation: _____

- _____ 4. The spectators' bleachers measure $58 \frac{1}{2}$ feet in length. All but $27 \frac{5}{9}$ feet of the first two rows are saved for team members and families. Does this give a total of $30 \frac{7}{18}$ feet of space for team members and families?

Equation: _____

Explanation: _____

