

Study Guide-Fraction Computation

Summative Assessment - Tues Oct 22/Wed Oct 23

Oct 28/29

KEN

Things you should do to prepare for your summative:

- *See Mrs. Wainscott with any questions you still have.
- *Look over the math papers you have for this part of the unit.
- *Go back over problems you missed on homework. Can you do them now?
- *Check Mrs. Wainscott's website for extra resources.

Add. Put the answer in simplest form.

$$2\frac{4}{5} \times 2\frac{8}{10}$$

$$\frac{2}{4} \times 3 + \frac{5}{12} = \frac{11}{12}$$

$$+ \frac{3\frac{3}{10}}{\frac{6}{10}}$$

$$\frac{3}{4} \times 2 + \frac{5}{8} = \frac{1\frac{3}{8}}{\frac{1}{8}}$$

$$\frac{6}{12} + \frac{5}{12} = \frac{11}{12}$$

$$\frac{5\frac{11}{10}}{6\frac{1}{10}}$$

$$\frac{6}{8} + \frac{5}{8} = \frac{11}{8} = 1\frac{3}{8}$$

Subtract. Put the answer in simplest form.

$$\frac{5}{6} - \frac{1}{3} \times 2 = \frac{1}{2}$$

$$\frac{7}{8} - \frac{2}{4} \times 2 = \frac{3}{8}$$

$$9\frac{7}{5}$$

$$\frac{5}{6} - \frac{2}{6} = \frac{3}{6} = \frac{1}{2}$$

$$\frac{7}{8} - \frac{4}{8} = \frac{3}{8}$$

$$- 7\frac{4}{5}$$

$$\frac{2\frac{3}{5}}{\frac{1}{5}}$$

Multiply or divide. Remember to simplify first. Put answer in lowest terms.

$$8 \cdot 3\frac{2}{4} = 28$$

$$1\frac{3}{5} \div 2\frac{1}{5} = \frac{8}{11}$$

$$\frac{28}{1} \cdot \frac{14}{41} = \frac{28}{1}$$

$$\frac{8}{5} \div \frac{11}{5} = \frac{8}{11}$$

$$2\frac{1}{3} \text{ of } 4\frac{1}{2} = 10\frac{1}{2}$$

$$\frac{1}{10} \div \frac{1}{4} = \frac{2}{5}$$

$$\frac{7}{18} \cdot \frac{93}{2} = 10\frac{1}{2}$$

$$\frac{1}{5} \cdot \frac{42}{1} = \frac{42}{5}$$

A turkey needs to roast in the oven for about $4\frac{3}{4}$ hours. If it has been roasting for $1\frac{2}{3}$ hours, how much longer does it need to roast?

$$\begin{array}{r} 4\frac{3}{4} \times \frac{9}{12} \\ - 1\frac{2}{3} \times \frac{8}{12} \\ \hline 3\frac{1}{12} \end{array}$$

The turkey still needs to roast for $3\frac{1}{12}$ hours.

Pam and Sandy got a job painting a shed. The first morning they painted $\frac{1}{3}$ of the shed. In the afternoon they painted $\frac{1}{4}$ of the shed. What fraction of the shed did they paint the first day?

$$\begin{array}{r} \frac{1}{3} + \frac{1}{4} \\ \frac{4}{12} + \frac{3}{12} = \left(\frac{7}{12}\right) \end{array}$$

Pam & Sandy painted $\frac{7}{12}$ of the shed the first day.

John was practicing for a mini-marathon. He set up a practice track that was $2\frac{3}{5}$ kilometers long. How many times must he run around the practice track to run 13 kilometers?

$$13 \div 2\frac{3}{5}$$

$$\frac{13}{1} = \frac{13}{5}$$

$$\frac{13}{1} \times \frac{5}{5} = \left(\frac{5}{1}\right)$$

John needs to run around his practice track 5 times to go 13 km total.