

Take out your hw, write the number of problems you completed at the top (out of 17) and begin correcting. You will start your retake after we have corrected this assignment.

Find the reciprocal of each fraction. (Example 1) pg.88

1. $\frac{2}{5}$ $\frac{5}{2}$ ~~$\frac{2}{5}$~~ 2. $\frac{1}{9}$ 9 3. $\frac{10}{3}$ $\frac{3}{10}$

Divide. (Explore 1, Explore 2, and Example 2)

4. $\frac{4}{3} \div \frac{5}{3} = \frac{4}{5}$ 5. $\frac{3}{10} \div \frac{4}{5} = \frac{3}{8}$ 6. $\frac{1}{2} \div \frac{2}{5} = 1\frac{1}{4}$

Divide. Write each answer in simplest form. (Explore Activity and Example 1)

1. $4\frac{1}{4} \div \frac{3}{4}$

$\frac{17}{4} \div \frac{3}{4} = \frac{17}{4} \times \frac{4}{3} = \frac{17}{3} = 5\frac{2}{3}$

pg. 94

$15\frac{1}{3} \div 3\frac{2}{5}$
 $15\frac{1}{3} = \frac{46}{3}$
 $3\frac{2}{5} = \frac{17}{5}$
 $\frac{46}{3} \div \frac{17}{5} = \frac{46}{3} \times \frac{5}{17} = \frac{230}{51} = 4\frac{26}{51}$

2. $1\frac{1}{2} \div 2\frac{1}{4}$

$\frac{3}{2} \div \frac{9}{4} = \frac{3}{2} \times \frac{4}{9} = \frac{2}{3}$

$3\frac{1}{5} \div 1\frac{1}{7}$
 $3\frac{1}{5} = \frac{16}{5}$
 $1\frac{1}{7} = \frac{8}{7}$
 $\frac{16}{5} \div \frac{8}{7} = \frac{16}{5} \times \frac{7}{8} = \frac{14}{5} = 2\frac{4}{5}$

3. $4 \div 1\frac{1}{8} = 3\frac{5}{9}$

4. $3\frac{1}{5} \div 1\frac{1}{7} = 2\frac{4}{5}$

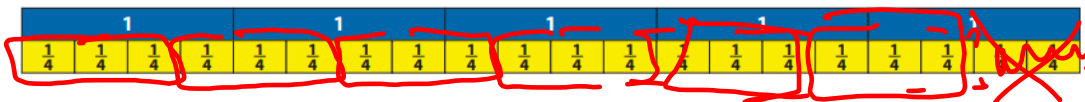
5. $8\frac{1}{3} \div 2\frac{1}{2} = 3\frac{1}{3}$

6. $15\frac{1}{3} \div 3\frac{5}{6} = 4$

Oct 9-3:35 PM

10. Jeremy has $4\frac{1}{2}$ cups of iced tea. He wants to divide the tea into $\frac{3}{4}$ -cup servings. Use the model to find the number of servings he can make.

pg. 95



6 servings

11. A ribbon is $3\frac{2}{3}$ yards long. Mae needs to cut the ribbon into pieces that are $\frac{2}{3}$ yard long. Use the model to find the number of pieces she can cut.



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

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

12. Dao has $2\frac{3}{8}$ pounds of hamburger meat. He is making $\frac{1}{4}$ -pound hamburgers. Does Dao have enough meat to make 10 hamburgers? Explain.

no; He has only enough meat to make $9\frac{1}{2}$ quarter pound hamburgers.

Oct 9-3:40 PM

13. Multistep Zoey made $5\frac{1}{2}$ cups of trail mix for a camping trip. She wants to divide the trail mix into $\frac{3}{4}$ -cup servings. $5\frac{1}{2} \text{ cups} \rightarrow 7\frac{1}{3} \text{ serv.}$

a. Ten people are going on the camping trip. Can Zoey make enough $\frac{3}{4}$ -cup servings so that each person on the trip has one serving?
No, it only makes $7\frac{1}{3}$ servings.

b. What size would the servings need to be for everyone to have a serving? Explain.

$\frac{11}{20}$ of a cup; $5\frac{1}{2} \text{ cups} \div 10 \text{ people} = \frac{11}{2} \times \frac{1}{10} = \frac{11}{20}$

c. If Zoey decides to use the $\frac{3}{4}$ -cup servings, how much more trail mix will she need? Explain.

She would need $7\frac{1}{2}$ cups total, so she would need

2 more cups of trail mix. $7\frac{1}{2} - 5\frac{1}{2} = 2$

14. The area of a rectangular picture frame is $30\frac{1}{3}$ square inches. The length of the frame is $6\frac{1}{2}$ inches. Find the width of the frame. $4\frac{2}{3} \text{ in.}$

$30\frac{1}{3} \div 6\frac{1}{2} \quad \frac{91}{3} \div \frac{13}{2} = \frac{79}{3} = 26\frac{1}{3}$
 $\frac{79}{3} - \frac{13}{3} = \frac{66}{3} = 22$
 $\frac{1}{3} = 4\frac{2}{3}$

Oct 9-3:41 PM

TUTORING is no longer available.
Refer to notes posted on my website.

RETAKE

All work is to be shown on the white piece of paper.

Transfer your answer to the colored test.

HW - Study for tomorrow's summative quiz over multiply/divide fractions.

Unit 2 Test Review - Due next Tuesday

Next week: Monday - NO school

Tuesday 10/16- Review for Unit 2 test

Wednesday - Unit 2 test

Oct 9-3:42 PM