

**Warm Up!**

- 1.) Write in agenda book
- 2.) Place homework on desk
- 3.) Divide

$$\frac{7}{12} \div \frac{1}{8}$$

$$\frac{7}{12} \times \frac{8}{1} = \frac{14}{3} = 4\frac{2}{3}$$



Oct 11-8:38 AM

**Lesson 4.3: Dividing Mixed Numbers**

Learning Target: I can divide mixed numbers.



Oct 8-10:34 AM

When dividing mixed numbers, you must make the mixed numbers improper fractions before applying

Keep change flip



Oct 11-8:40 AM

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

K  
C  
F

$$\frac{17}{4} \div \frac{3}{4} = \frac{17}{\cancel{4}^1} \times \frac{\cancel{4}^1}{3} = \frac{17}{3} = 5\frac{2}{3}$$

$$3 \overline{)17}$$



Oct 11-9:42 AM

$$15\frac{1}{3} \div 3\frac{5}{6}$$

$$\frac{46}{3} \div \frac{23}{6} = \frac{\cancel{46}^2}{3} \times \frac{\cancel{6}^2}{23} = \frac{4}{1} = 4$$

Oct 11-9:43 AM

$$3\frac{1}{5} \div 1\frac{1}{7}$$

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

Oct 11-9:44 AM

A sandbox has an area of 26 square feet, and the length is  $5\frac{1}{2}$  feet. What is the width of the sandbox?

$$A = l \cdot w$$

$$26 = 5\frac{1}{2} \cdot w$$

$$26 \div 5\frac{1}{2}$$

$$\frac{26}{1} \times \frac{2}{11} = \frac{52}{11} = 4\frac{8}{11} \text{ feet}$$

Oct 11-9:45 AM

**4.3 Worksheet with partner**

- See Mrs. Sines to get your answers checked when you are done.
- ALEKS

Oct 23-12:30 PM


①  $9\frac{1}{3} \div 1\frac{5}{9}$

②  $16\frac{2}{3} \div 4\frac{1}{6}$

③  $15 \div 6\frac{1}{2}$


Oct 23-11:08 AM

Mrs. Webber is buying carpet for an exercise room in her basement. The room will have an area of 230 square feet. The width of the room is  $12\frac{1}{2}$  feet. What is the length?



Oct 11-9:47 AM

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.



Oct 11-9:48 AM

Advanced



Oct 11-9:50 AM

**Explain the Error** To divide  $14\frac{2}{3} \div 2\frac{3}{4}$ , Erik multiplied  $14\frac{2}{3} \times \frac{4}{3}$ . Explain Erik's error.

Oct 11-9:49 AM

Handwritten math problems and solutions:

- $\frac{3}{4} \div \frac{1}{5} = 3\frac{3}{4}$
- $\frac{3}{4} \times \frac{5}{1} = \frac{15}{4}$
- $\frac{3}{5} \times \frac{5}{5} = \frac{9}{5}$
- $1\frac{2}{3} \div \frac{5}{6} = 1\frac{4}{5}$
- $1\frac{5}{6} \times \frac{3}{5} = 1\frac{1}{2}$
- $2\frac{1}{2} \div \frac{1}{7} = 1\frac{3}{7}$
- $\frac{5}{2} \div \frac{10}{7} = \frac{7}{4}$
- $\frac{7}{10} \div \frac{1}{2} = \frac{7}{5}$
- $\frac{7}{4}$  (circled)

Oct 11-9:50 AM