6th Grade TEKS Readiness Focus

TEKS 6.3E _multiply and divide_ positive rational numbers fluently.

Activity Directions:
Items Needed: _Multiply or Divide?_ activity
1. Prepare the activity for partner groups.
2. Students must find the word problems and expressions that match each solution. (See below.)
3. A competition can be included where partner groups compete against time or other groups.
4. Have students practice questions coded to TEKS 6.3E.

Name _____ and _____   Date _____

Multiply or Divide?

Fill in the template with the correct pieces.

Multiplication Word Problem	Multiplication Expression	Solution	Division Expression	Division Word Problem
One slice of an apple weighed 0.025 ounces. How much do 50 slices weigh if they are similar in size?	$50 \cdot 0.025$	1.25	$6.5 \div 20$	Mario has $6.25. Apples are sold at the market for $5 per pound. How many pounds of apples can Mario buy?
Mom had 6.875 cups of sugar. She used 80% of the sugar to make a cake. How many cups of sugar did Mom use?	$0.8 \cdot 6.875$	5.5	$68.75 \div 12.5$	Mom earned $68.75. If Mom earns $12.50 per hour, how many hours did she work to earn this amount?
Nine friends went to see a movie premiere at a theater. If tickets cost $9.75 each, how much money was paid for the 9 tickets?	$9 \cdot 9.75$	87.75	$526.5 \div 6$	A train traveled a total of 526.5 miles in 6 days. If the train traveled the same distance every day, how far did the train travel each day?

Multiplication Word Problem	Multiplication Expression	Solution	Division Expression	Division Word Problem
The distance from Ann's house to the library is $1\frac{2}{3}$ miles. She has walked $\frac{1}{4}$ of the distance. How many miles has Ann walked?	$\frac{1}{4} \cdot 1\frac{2}{3}$	$\frac{5}{12}$	$\frac{2}{3} \div 1\frac{3}{5}$	A uniform requires $1\frac{3}{5}$ yards of material. If the seamstress has $\frac{2}{3}$ yard of material, what part of a uniform can she sew?
Mrs. King made $1\frac{1}{8}$ gallons of punch for the birthday celebration. $\frac{5}{6}$ of the amount is water. How much of the punch is water?	$\frac{5}{6} \cdot 1\frac{1}{8}$	$\frac{15}{16}$	$2\frac{1}{2} \div 2\frac{2}{3}$	The advanced welding class lasts $2\frac{1}{2}$ hours. If a welding competition requires projects to be completed in $2\frac{2}{3}$ hours, what part of the project can be completed in one class period?

Name _____   Date _____

TEKS 6.3E *multiply and divide* positive rational numbers fluently.

TEKS 6.3E Mini-Assessment

1. What is the value of $\frac{5}{9} \div \frac{2}{3}$?

Enter your answer in the space provided.

2. Niraj worked $35\frac{1}{2}$ hours last week. He earned $13.60 per hour.

How much money did Niraj earn last week?

Enter your answer in the space provided.

3. What is the value of $\frac{3}{4} \cdot \frac{11}{15}$?

Enter your answer in the space provided.

4. A group of 6 friends paid a total of $91.44 for tickets to a water park. Each friend paid the same amount for a ticket.

How much did each friend pay for a ticket to the water park?

Ⓐ $10.99

Ⓑ $15.24

Ⓒ $16.28

Ⓓ $548.64

5. There are 5 teenage boys in the Slack family. The boys drink a total of $1\frac{2}{3}$ gallons of milk each day.

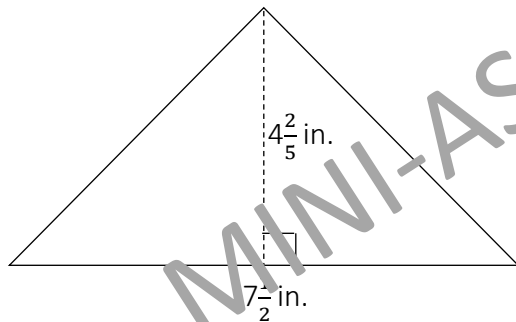At this rate, how many gallons of milk will the boys drink in one week?

Ⓐ $4\frac{1}{3}$ gallons

Ⓑ $\frac{5}{21}$ gallons

Ⓒ $11\frac{2}{3}$ gallons

Ⓓ $4\frac{1}{5}$ gallons

6. Landscaper Landon has 28.8 pounds of potting soil. He will empty an equal amount of the potting soil into 4.5 flowerbeds. How many pounds of potting soil will be added to each flowerbed?

Enter your answer in the space provided.

7. A triangle with some dimensions labeled is shown below.

$4\frac{2}{5}$ in.

$7\frac{1}{2}$ in.

What is the area of the triangle in square inches?

Enter your answer in the space provided.

8. Which equations are true?

Select the correct answer in each row.

Equation	True	False
165.7 (1.2) = 198.84	☐	☐
22.5 ÷ 2.5 = 8.9	☐	☐
4.692 ÷ 0.046 = 102	☐	☐

9. Sela finished a science fair project in 12.3 hours. Meleyna took 1.25 times as long to finish her science fair project as Sela.

How long did it take Meleyna to finish the project?

Ⓐ   13.55 hours

Ⓑ   11.05 hours

Ⓒ   15.265 hours

Ⓓ   15.375 hours

10. What is the value of $2\frac{1}{2} \div 1\frac{2}{15}$?

Enter your answer in the space provided.