Name		Period			
	Unit 4 Dividing	Fractions Week of 2/17/2	0		
Learning Targ	ets from 6 <sup>th</sup> Grade Commo	n Core State Standards:			
I can unfraction I can enfraction I known not who who will can selected the selecte	nal bases and heights. explain how to find the voluing as their edge length.	on to solve problems involving me of a rectangular prism using a rectangular prism even when involve fractions.	g cubes	that have a	unit
This Week's Vocabulary Words: multiplication division		quotient divisor	group		
	due the following day.  Class work—All in	Homework		Complete	Correct
Day	Spiral using iPad	Homework		Complete	Conect
Monday	No School President's Day Holiday				
Tuesday	Finish Lesson 14 Fractional Lengths for Triangles PDF p. 56	HW L15 Problems 3, 5 & 6		/4	/7
Wednesday	Lesson 15 Volume of Prisms PDF p. 67	HW L15 Problems 1, 2 & 4		/4	/6
Thursday	Lesson 16 Review and Practice	HW L16		/4	/15
Friday	Assessment Unit 4	None		440	
			Total	/12	
			Quality Total	/4	
it again and w please do not  Work is	write down the information y leave blank or write "?" or thorough with detailed ex	on't know how to complete a p ou have, draw a picture, or wri idk. You can also come in and planations (2 pts) ons needed) in a different color	te a que get help	estion you had before sch	ave,



NAME

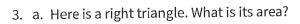
## Unit 4, Lesson 15 **Practice Problems**

Tuesday

**PERIOD** 

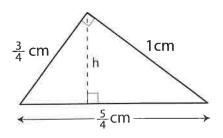
Wednesday

- 1. A pool in the shape of a rectangular prism is being filled with water. The length and width of the pool is 24 feet and 15 feet. If the height of the water in the pool is  $1\frac{1}{3}$  feet, what is the volume of the water in cubic feet?
- 2. A rectangular prism measures  $2\frac{2}{5}$  inches by  $3\frac{1}{5}$  inches by 2 inches.
  - a. Priya said, "It takes more cubes with edge length  $\frac{2}{5}$  inch than cubes with edge length  $\frac{1}{5}$  inch to pack the prism." Do you agree with Priya's statement? Explain or show your reasoning.
  - b. How many cubes with edge length  $\frac{1}{5}$ inch fit in the prism? Show your reasoning.
- c. Explain how you can use your answer in the previous question to find the volume of the prism in cubic inches.



b. What is the height h for the base that is  $\frac{5}{4}$  units long? Show your reasoning.





NAME DATE PERIOD

4. To give their animals essential minerals and nutrients, farmers and ranchers often have a block of salt—called "salt lick"—available for their animals to lick.

a. A rancher is ordering a box of cube-shaped salt licks. The edge lengths of each salt lick are  $\frac{5}{12}$  foot. Is the volume of one salt lick greater or less than 1 cubic foot? Explain your reasoning.



"Salt-lick 4 beentree" by Beentree via <u>Wikimedia</u> <u>Commons</u>. CC BY-SA 2.5.

b. The box that contains the salt lick is  $1\frac{1}{4}$  feet by  $1\frac{2}{3}$  feet by  $\frac{5}{6}$  feet. How many cubes of salt lick fit in the box? Explain or show your reasoning.



- 5. a. How many groups of  $\frac{1}{3}$  inch are in  $\frac{3}{4}$  inch?
  - b. How many inches are in  $1\frac{2}{5}$  groups of  $1\frac{2}{3}$  inches?



6. Here is a table that shows the ratio of flour to water in an art paste. Complete the table with values in equivalent ratios.

cups of flour	cups of water
1	$\frac{1}{2}$
4	
	3
$\frac{1}{2}$	



NAME

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## Unit 4, Lesson 16

## **Practice Problems**

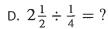


1. An orange has about  $\frac{1}{4}$  cup of juice. How many oranges are needed to make  $2\frac{1}{2}$  cups of juice? Select all equations that represent this question.

A. 
$$? \cdot \frac{1}{4} = 2\frac{1}{2}$$

B. 
$$\frac{1}{4} \div 2\frac{1}{2} = ?$$

$$C_{\cdot \cdot} ? \cdot 2\frac{1}{2} = \frac{1}{4}$$





2. Mai, Clare, and Tyler are hiking from a parking lot to the summit of a mountain. They pass a sign that gives distances.

• Parking lot:  $\frac{3}{4}$  mile

• Summit:  $1\frac{1}{2}$  miles

Mai says: "We are one third of the way there." Clare says: "We have to go twice as far as we have already gone." Tyler says: "The total hike is three times as long as what we have already gone."



Can they all be correct? Explain how you know.

3. Priya's cat weighs  $5\frac{1}{2}$  pounds and her dog weighs  $8\frac{1}{4}$  pounds. Estimate the missing number in each statement before calculating the answer. Then, compare your answer to the estimate and explain any discrepancy.

a. The cat is \_\_\_\_\_ as heavy as the dog.

b. Their combined weight is \_\_\_\_\_ pounds.

c. The dog is \_\_\_\_\_ pounds heavier than the cat.



4. Before refrigerators existed, some people had blocks of ice delivered to their homes. A delivery wagon had a storage box in the shape of a rectangular prism that was  $7\frac{1}{2}$  feet

NAME

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by 6 feet by 6 feet. The cubic ice blocks stored in the box had side lengths  $1\frac{1}{2}$  feet. How many ice blocks fit in the storage box?

- A. 270
- B.  $3\frac{3}{8}$
- C. 80
- D. 180



5. Fill in the blanks with 0.001, 0.1, 10, or 1000 so that the value of each quotient is in the correct column. The limited

close to  $\frac{1}{100}$ 

close to 1

greater than 100

• \_\_÷9

- \_\_\_÷0.12
- $---\div\frac{1}{3}$

- 12÷\_\_\_\_
- $\frac{1}{8}$ ÷——

• 700.7÷



6. A school club sold 300 shirts. 31% were sold to fifth graders, 52% were sold to sixth graders, and the rest were sold to teachers. How many shirts were sold to each group—fifth graders, sixth graders, and teachers? Explain or show your reasoning.



5th

6 m

Teachers

- 7. Jada has some pennies and dimes. The ratio of Jada's pennies to dimes is 2 to 3.
  - a. From the information given above, can you determine how many coins Jada has?
- b. If Jada has 55 coins, how many of each kind of coin does she have?
- c. How much are her coins worth?

