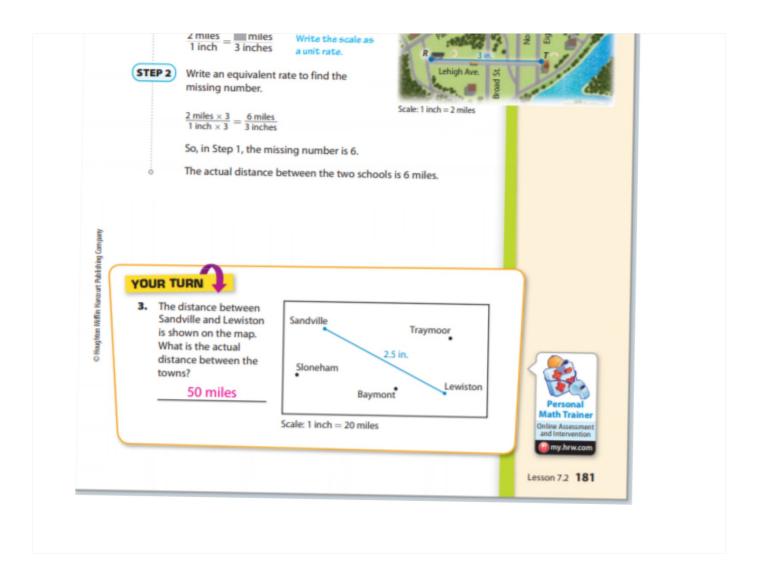
Nov. 9,2018
Periods 1,2,4,6
Warm Up- Proportions and Scale Side One, #s 1-4
Class Work - Go over pgs. 181-182 together
Video - SCALE Proportion Review Packet
(notes, foldable, practice)
Homework- finish filling in foldable and complete Scale Practice.
Tradition.



Find the unknown value in each proportion. (Example 1)

1.
$$\frac{3}{5} = \frac{1}{30}$$

$$\frac{3 \times 6}{5 \times 6} = \frac{18}{30}$$

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

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

Solve using equivalent ratios. (Example 1)

- 3. Leila and Jo are two of the partners in a business. Leila makes \$3 in profits for every \$4 that Jo makes. If Jo makes \$60 profit on the first item they sell, how much profit does Leila make? \$45
- 4. Hendrick wants to enlarge a photo that is 4 inches wide and 6 inches tall. The enlarged photo keeps the same ratio. How tall is the enlarged photo if it is

12 inches wide? 18 inches tall

Solve using unit rates. (Example 2)

5. A person on a moving sidewalk travels 21 feet in 7 seconds. The moving sidewalk has a length of 180 feet. How long will it take to move from one end of the sidewalk to the other? 6. In a repeating musical pattern, there are 56 beats in 7 measures. How many measures are there in 104 beats? 13 measures

60 seconds

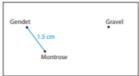
 Contestants in a dance-a-thon rest for the same amount of time every hour. A couple rests for 25 minutes in 5 hours. How long did they rest in 8 hours? 40 minutes

8. Frances gets 6 paychecks in 12 weeks. How many paychecks does she get in 52 weeks?

26 paychecks

What is the actual distance between Gendet and Montrose? (Example 3)

24 kilometers

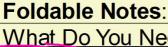


ESSENTIAL QUESTION CHECK-IN

10. How do you solve problems with proportions? Sample answer: Write a proportion

that includes one unknown quantity. Find equivalent ratios or rates to find the unknown quantity.

182 Unit 3



What Do You Need to Find?

Paloma walked 0.75 miles in 15 minutes. If she continues walking at this the same pace, how long will it take her to walk 3 miles?

Missing info: time to walk three miles

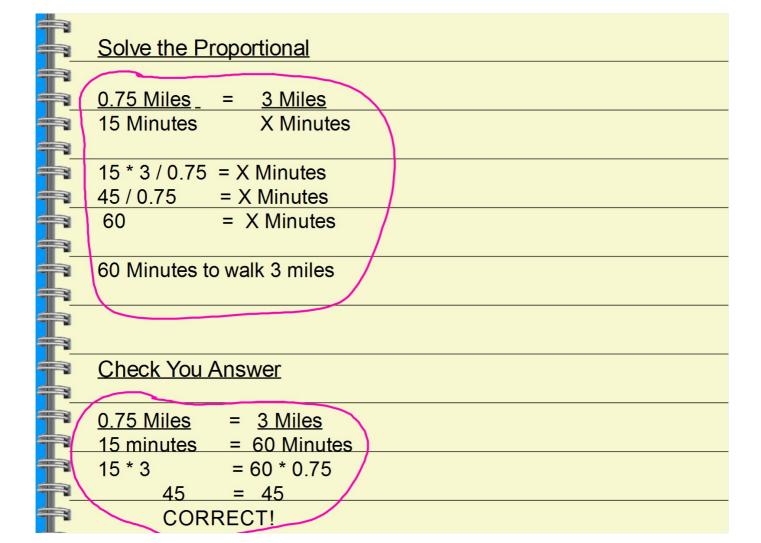
What Do You Know?

Paloma walked 0.75 miles in 15 minutes. If she continues walking at the same pace, how long will it take her to walk 3 miles?

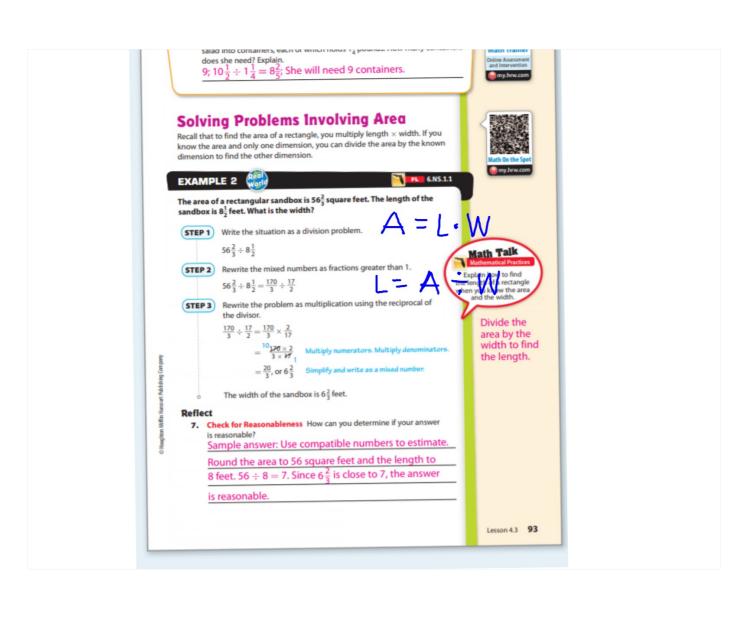
Know: Comparing miles to minutes 0.75 miles in 15 minutes.

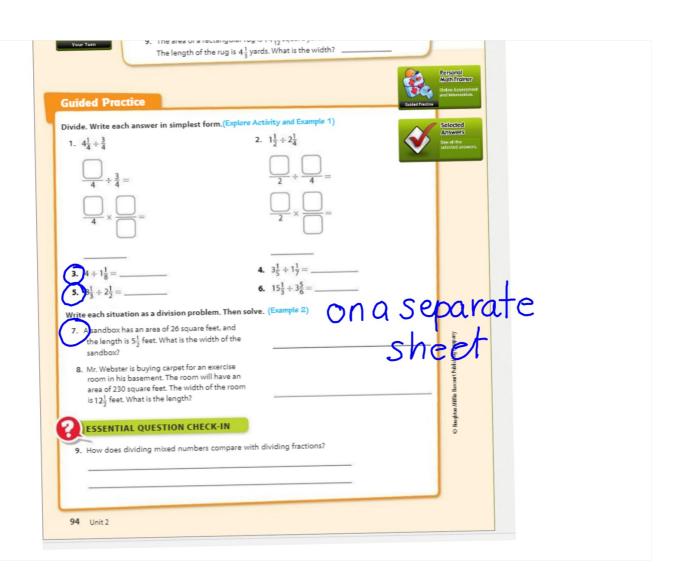
Set Up A Proportion

Miles = $0.75 \, \text{Miles} = 3 \, \text{Miles}$ Minutes 15 minutes **X Minutes**



Nov. 9, 2018 Period 5 Warm Up - Video Dividing Mixed Numbers			
	The area of a rectangular herb garden is $39\frac{2}{3}$ square feet. The width of the herb garden is $4\frac{1}{4}$ feet. What is the length?		
С	Class Work- Check yesterday's work and homework together. Pgs. 95 #, Pg. 96 #s 15-17, and # 19		
Но	mework- worksheet "Multiplying Fractions with OF"		







YOUR TURN

- The area of a rectangular patio is $12\frac{3}{8}$ square meters. The width of the patio is $2\frac{3}{4}$ meters. What is the length?
- 9. The area of a rectangular rug is $14\frac{1}{12}$ square yards. The length of the rug is $4\frac{1}{3}$ yards. What is the width?
- $3\frac{1}{4}$ yards

Guided Practice

Divide. Write each answer in simplest form. (Explo

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

$$\frac{17}{4} \div \frac{3}{4} =$$

$$\frac{17}{4} \times \frac{4}{3} =$$



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

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

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

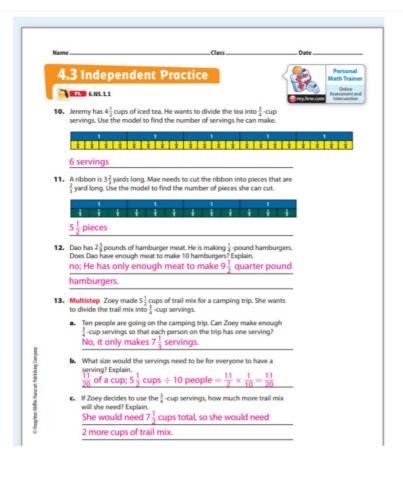
4.
$$3\frac{1}{5} \div 1\frac{1}{7} = \frac{2\frac{1}{5}}{3}$$

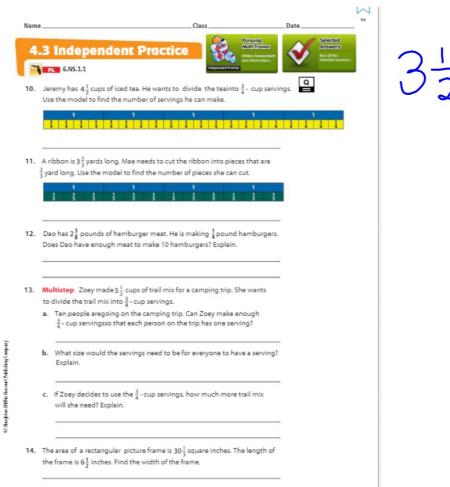
- 7. A sandbox has an area of 26 square feet, and the length is 5½ feet. What is the width of the sandbox?
- $26 \div 5\frac{1}{2}$; The width is $4\frac{8}{11}$ feet.
- **8.** Mr. Webster is buying carpet for an exercise room in his basement. The room will have an area of 230 square feet. The width of the room is $12\frac{1}{2}$ feet. What is the length?
- $230 \div 12\frac{1}{2}$; $18\frac{2}{5}$ feet



ESSENTIAL QUESTION CHECK-IN

9. How does dividing mixed numbers compare with dividing fractions? The process is the same except that you must first change the mixed numbers to fractions.





3= + 4

