

Super-Journal Week 3:4

Every night, you should be reading at least 30 minutes of whatever book you have checked out from your assigned reading list. Tape or glue (but do not staple) this sheet into your Super-Journal on the left-side page. Fill in the table below *every day* by recording the required data.

Day	Title	Start Pg.	End Pg.	Parent Sign.
Monday				
Tuesday				
Wednesday				
Thursday				
Friday				
Saturday				
Sunday				

On the right-side page of your Super-Journal, answer two of the questions below throughout the week. Be sure that the questions you choose to answer go with the appropriate type of book (Fiction or Nonfiction). The Super-Journal is due on the first day after the weekend (usually Monday). To earn credit for your journal entry, you must respond in at least five complete sentences-per response and use **specific evidence from the text to support your claim** based on what you've read this week.

FICTION

1. What conflict or problem did you find in your reading?
2. Summarize what has happened so far in the story.
3. How did the characters solve the problem?

NONFICTION

4. What is the big idea the author has communicated in the text so far?
5. Write a summary of what you learned from the text this week

RL.1.2/RI.1.2

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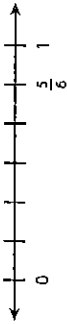
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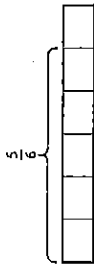
Understanding of Multiplication as Scaling

Name: _____

1 Shade the number line to show $\frac{3}{5} \times \frac{5}{6}$.



2 Complete the area model to show $\frac{3}{5} \times \frac{5}{6}$.



Is $\frac{3}{5} \times \frac{5}{6}$ less than, equal to, or greater than $\frac{5}{6}$? Use your models to justify your answer.

3 Write less than, equal to, or greater than for each statement.

$\frac{1}{2} \times \frac{4}{5}$ is _____ $\frac{4}{5}$ $\frac{2}{2} \times \frac{4}{5}$ is _____ $\frac{4}{5}$

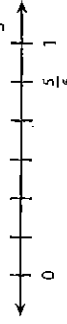
$\frac{3}{3} \times \frac{3}{4}$ is _____ $\frac{3}{4}$ $\frac{2}{3} \times \frac{3}{4}$ is _____ $\frac{3}{4}$

$\frac{2}{5} \times \frac{5}{9}$ is _____ $\frac{5}{9}$ $\frac{5}{5} \times \frac{5}{9}$ is _____ $\frac{5}{9}$

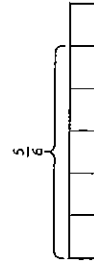
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Multiplying with Mixed Numbers in Word Problems

22.

Name: _____

Solve each problem.

- 1 Neil has $2\frac{1}{4}$ pounds of apples. He uses $\frac{2}{5}$ of the apples to make pies. How many pounds of apples does Neil use to make pies?
- 2 Kathy is riding her bike $1\frac{3}{4}$ miles to her friend's house. She has already traveled $\frac{7}{8}$ of the distance. How far has Kathy already traveled?
- 3 Keisha spent $3\frac{3}{4}$ hours at the science museum. She spent $\frac{2}{5}$ of that time in the planetarium. How much time did Keisha spend in the planetarium?
- 4 Javier is planting a vegetable garden that will be $7\frac{1}{2}$ meters long and 1 meter wide. He will plant $\frac{1}{5}$ of the garden with tomatoes. How many square meters of the garden will be planted with tomatoes?
- 5 Ed has two dogs. The smaller dog weighs $8\frac{1}{3}$ pounds. The larger dog weighs $1\frac{1}{2}$ times as much as the smaller dog. How much does the larger dog weigh?
- 6 Shane designed a mural that is $2\frac{3}{4}$ yards long and $1\frac{1}{3}$ yards high. What is the area in square yards of the mural?
- 7 How could you use an area model to solve problem 4?

Multiplying Fractions in Word Problems

22.

Name: _____

Solve each problem.

- 1 Blanca has $\frac{3}{4}$ pound of tuna salad. She uses $\frac{1}{3}$ of the tuna salad to make sandwiches. How much of the tuna salad did Blanca use?
- 2 Frank has a board that is $\frac{5}{8}$ meter long. He cuts off a piece that is $\frac{3}{5}$ the length of the board. How long is the piece of the board Frank cut off?
- 3 Sharon drinks $\frac{2}{5}$ of $\frac{1}{2}$ pint of lemonade. How much lemonade did Sharon drink?
- 4 James lives $\frac{4}{5}$ mile from the library. He has already walked $\frac{3}{4}$ of the way. How far has James walked?
- 5 Ali worked on his math homework for $\frac{2}{3}$ hour. He spent $\frac{3}{4}$ of the time solving multiplication problems. How much time did Ali spend solving multiplication problems?
- 6 Madison has $\frac{5}{6}$ yard of fabric. She uses $\frac{2}{5}$ of the fabric to make a pillow cover. How much fabric did Madison use for the pillow cover?
- 7 How could you draw a picture to solve problem 2?

Multiply Mixed Numbers

Lesson 10-5 • Reinforce Understanding

Name _____

Review

To multiply mixed numbers, you can write the mixed numbers as fractions. Consider $2\frac{1}{6} \times 3\frac{2}{3}$.

$$2\frac{1}{6} \rightarrow 2 \times 6 = 12 + 1 = 13 \rightarrow \frac{13}{6}$$

$$3\frac{2}{3} \rightarrow 3 \times 3 = 9 + 2 = 11 \rightarrow \frac{11}{3}$$

$$\frac{13}{6} \times \frac{11}{3} = \frac{143}{18} = 7\frac{17}{18}$$

As a result, $2\frac{1}{6} \times 3\frac{2}{3} = 7\frac{17}{18}$.

What is the product? Write your answer as a mixed number.

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

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

3. $3\frac{5}{2} \times 3\frac{5}{2} =$

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

5. $6\frac{1}{4} \times 2\frac{4}{3} =$

6. $1\frac{10}{9} \times 1\frac{5}{2} =$

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

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

Solve Problems Involving Area

Name _____

Review

We can determine the area of a rectangle by finding the number of whole units and then finding the number of fractional units.

Consider a rectangle that is 6 units by $5\frac{1}{2}$ units.

There are 6 rows of 5 square units:

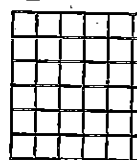
$$6 \times 5 = 30 \text{ units}$$

There are 6 half-square units:

$$6 \times \frac{1}{2} = 3 \text{ units}$$

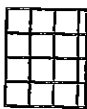
Altogether, there are $30 + 3 = 33$ square units

$\frac{1}{2}$ a square unit



What is the area of the rectangle with the given dimensions?

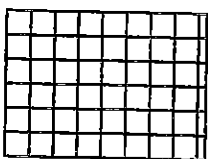
1. $3\frac{1}{4} \times 4 =$



2. $7\frac{1}{2} \times 3 =$



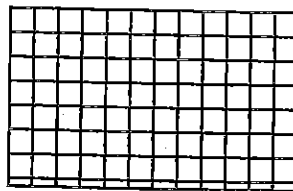
3. $8\frac{1}{3} \times 6 =$



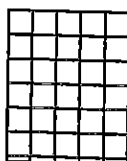
4. $5 \times 2\frac{1}{2} =$



5. $12 \times 7\frac{1}{3} =$



6. $5 \times 6\frac{1}{4} =$



Solve Problems Involving Perimeter

Lesson 10-7 • Reinforce Understanding

Name _____

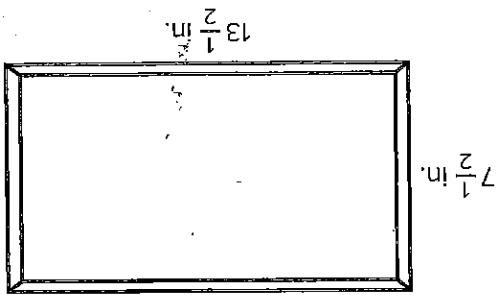
Review

You can use the perimeter formula to solve problems involving

the distance around a rectangle.

Example:

Ellen is replacing the frame around a rectangular painting. How much framing material does Ellen need?



Use the perimeter formula $P = 2 \times l + 2 \times w$.

$$P = (2 \times 13\frac{1}{2}) + (2 \times 7\frac{1}{2})$$

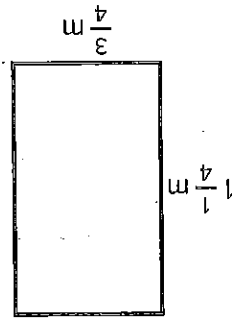
$$= (2 \times \frac{27}{2}) + (2 \times \frac{15}{2})$$

$$= 27 + 15$$

$$= 42$$

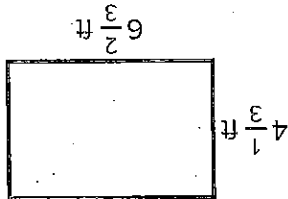
Ellen needs 42 inches of framing material to replace the frame.

What is the perimeter of the rectangle?



3. Length = $41\frac{1}{2}$ cm

Width = $30\frac{1}{4}$ cm



4. Width = $2\frac{5}{3}$ yd

Length = $2\frac{2}{5}$ yd

Solve Problems Involving Fractions

Name _____

Review

Use one of the strategies learned to solve word problems involving fractions.

Mark is $1\frac{2}{5}$ times as tall as Sara, who is $3\frac{3}{4}$ feet tall.

How tall is Mark?

$$1\frac{2}{5} \times 3\frac{3}{4} = \frac{5+2}{5} \times \frac{12+3}{4} = \frac{7}{5} \times \frac{15}{4} = \frac{7 \times 15}{5 \times 4} = \frac{105}{20} = 5\frac{5}{20} = 5\frac{1}{4}$$

Mark is $5\frac{1}{4}$ feet tall.

Solve each problem using one of the strategies you learned.

- In a local animal shelter, $\frac{2}{3}$ of the animals are dogs. Of the dogs, $\frac{1}{4}$ are puppies. What fraction of the animals at the shelter are puppies?
- A painting is $2\frac{4}{5}$ feet long and $1\frac{1}{2}$ feet wide. What is the area of the painting?
- Esther has a bag of rice that holds 10 cups of rice when full. The bag is $\frac{3}{4}$ full. Esther uses $\frac{3}{8}$ of the rice in the bag to make a batch of paella. How many cups of rice does Esther use?
- Nico is $4\frac{1}{2}$ feet tall. Noah is $1\frac{1}{7}$ times as tall as Nico. How tall is Noah?
- $\frac{4}{5}$ of the students in a class have siblings. Of the students who have siblings, $\frac{1}{3}$ have an older brother. What fraction of the students in the class have an older brother?