

3rd Grade Spring Break
Homework Packet
(Due: 3-19-17)

1. Which equation is **not** correct?

- Ⓐ $3 \times 5 = 5 \times 3$
 Ⓑ $4 \times 7 = 7 \times 4$
 Ⓒ $8 \div 2 = 2 \div 8$
 Ⓓ $6 \times 8 = 8 \times 6$

2. For her birthday party, Shawna puts cupcakes on a platter for her friends to enjoy.



Shawna knows two ways to multiply to find the total number of cupcakes. One way is 3×5 . Which expression shows another way?

- Ⓐ 5×3 Ⓒ $5 - 3$
 Ⓑ $5 + 3$ Ⓓ $5 \div 3$

3. Sienna solves $(2 \times 5) \times 3$ and finds a product of 30. Which statement is true about the product of $2 \times (5 \times 3)$?

- Ⓐ The product is two times greater than 30.
 Ⓑ The product is less than 30.
 Ⓒ The product is two more than 30.
 Ⓓ The product is equal to 30.

4. Ethan reads the following poem:

*As I was walking down the street
 A funny man I chanced to meet.
 Four heavy bags held in each hand;
 In each bag 3 pounds of sand.*

Which expression could **not** be used to find the total number of pounds of sand the man carried?

- Ⓐ 2×12 Ⓒ 6×6
 Ⓑ 8×3 Ⓓ 4×6

5. Ruby makes party bags to give to five friends at her party. The five bags each have two pieces of gum and three sour drops. Ruby knows that the expression $(5 \times 2) + (5 \times 3)$ shows the total number of items in all the bags. Which expression also gives the total number of items in the bags?

- Ⓐ $(5 + 2) + 3$ Ⓒ $(5 \times 2) - 3$
 Ⓑ $5 \times (2 \times 3)$ Ⓓ $5 \times (2 + 3)$

6. Cole knows he can use properties of operations to find the product of this equation.

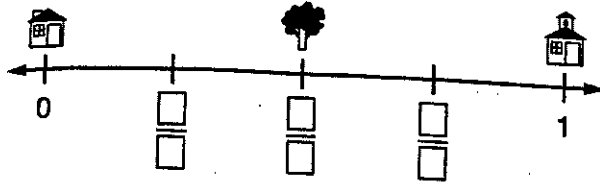
$$6 \times 12 = ?$$

Select **three** ways Cole could find the product.

- Ⓐ $(3 \times 12) + (3 \times 12)$
 Ⓑ $(6 \times 2) + (6 \times 6)$
 Ⓒ $(6 + 2) \times (6 + 10)$
 Ⓓ $(6 \times 10) + (6 \times 2)$
 Ⓔ $6 \times (6 + 2)$
 Ⓕ $(6 \times 6) + (6 \times 6)$

1. Daphne buys eight packages of paper plates for a picnic. The total cost of the plates is \$32. She realizes that she does not have enough plates, so she returns to the store and buys an additional package of paper plates. How much money does Daphne spend for all the paper plates?
- (A) \$4
(B) \$33
(C) \$36
(D) \$40
2. Most apples contain five seed pockets called carpels. Each carpel contains two apple seeds. Which equation **best** describes the total number of seeds in 10 apples?
- (A) $10 + 5 \times 2 = 30$
(B) $10 + 2 \times 5 = 60$
(C) $5 + 2 \times 10 = 70$
(D) $10 \times 5 \times 2 = 100$
3. A ticket seller at a theater sells tickets for a school play. He sells 412 tickets for Section A and 378 tickets for Section B. He also sells 161 tickets for the balcony. About how many fewer tickets are sold for the balcony than for Sections A and B combined?
- (A) 600
(B) 700
(C) 800
(D) 1000
4. Mindy and the seven girls in her scout troop each pledge to collect 80 cans of food for the food drive. All the girls meet the goal, but Mindy collects an additional 36 cans of food. How many cans of food do the girls in the scout troop collect?
- (A) 676 (C) 596
(B) 604 (D) 116
5. Which problem can be solved using this equation?
- $$(17 + 32) \div 7 = 7$$
- (A) Rudy earns \$17 raking leaves and \$32 mowing lawns. How much money does Rudy earn?
- (B) Rudy has 17 baseball cards. His uncle gives him 32 more cards. Rudy buys 7 cards from his friend Chen. How many baseball cards does Rudy have now?
- (C) In one week, Rudy swims 17 miles and rides his bicycle 32 miles. He swims and rides the same distance each day. How many miles does Rudy swim and ride each day?
- (D) Rudy eats 32 apples in one week. This is 17 more apples than his brother eats. How many apples does Rudy's brother eat?
6. Carlos receives \$50 for his birthday. He buys a camera for \$19 and a basketball for \$13. About how much money does Carlos have left to spend?
- (A) \$10
(B) \$20
(C) \$30
(D) \$40

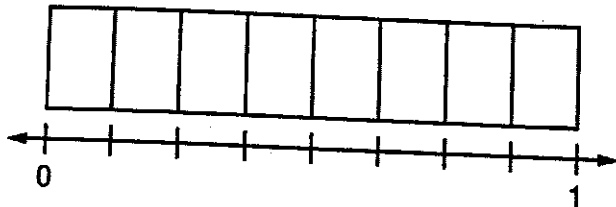
1. Jo walks to school from her house each day. Jo's school is exactly 1 mile from her house, as shown on this number line. Jo divides her walk into four equal parts.



Label each part of Jo's walk with a fraction. At which fraction along Jo's path is the oak tree located?

Answer: _____

2. A s'mores recipe uses one out of eight sections of a chocolate bar. A number line is shown below the chocolate bar.



Label the fractions of the whole candy bar on the number line. Then, shade the part needed to make one s'mores.

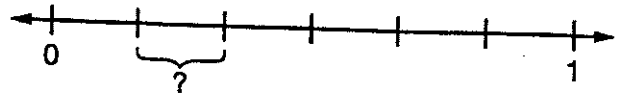
Which fraction represents the part of the chocolate bar needed to make one s'mores?

Answer: _____

What fraction of the chocolate bar is needed to make six s'mores?

Answer: _____

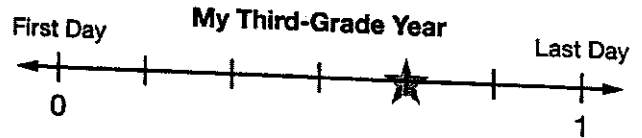
3. On the number line, the line segment between 0 and 1 represents one whole. This whole has been divided into equal segments.



What fraction represents the length of the segment labeled with a question mark?

Answer: _____

4. One whole school year is divided equally into six grading periods. Adrian draws this number line in the front of his binder to show how much of the school year is left. He moves the star at the end of each grading period.



If Adrian places the star on the mark shown above, what fraction of the school year is completed?

Answer: _____

What fraction of the school year remains?

Answer: _____

Explain your answer.

Words for the Wise

denominator
eighth
equal parts

fourth
fraction
half/halves

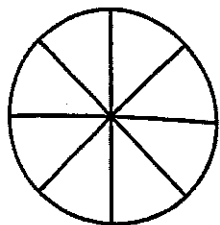
number line
numerator
partition

sixth
third



Unit 15 Introduction

1. Lindy buys a pizza cut into equal-sized slices. Lindy eats $\frac{1}{2}$ of the pizza. Shade the pizza to show a fraction equivalent to $\frac{1}{2}$.



$$\frac{1}{2} = \frac{\square}{\square}$$

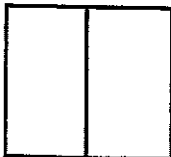
Use the model to write the fraction that correctly completes the equation.

Franklin eats four slices of Lindy's pizza. Write an equation showing the fraction and whole number that represents the part of the pizza eaten by Franklin and Lindy.

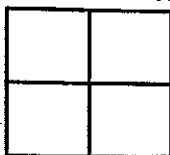
Answer: _____

2. Zoe and Leo are served identical peanut butter sandwiches for lunch. Zoe's sandwich is cut into two equal parts, and Leo's is cut into four equal parts as shown in the diagram.

Zoe's Sandwich



Leo's Sandwich

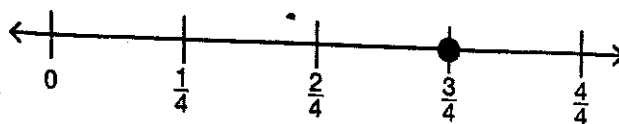


Zoe eats one part of her sandwich, and Leo eats two parts of his sandwich. Leo says that he eats more than Zoe. Is this true?

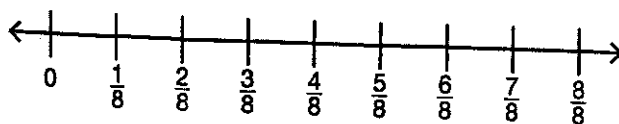
Answer: _____

Why or why not?

3. The third-grade classes each have 90-gallon recycling barrels to fill with aluminum cans. The teachers post number lines that show the students' progress toward filling the class barrels.



Mrs. Carter's Class



Mr. Kim's Class

Mrs. Carter's class fills $\frac{3}{4}$ of their barrel. Mr. Kim's class has an equal amount of cans. What fraction should be marked on Mr. Kim's number line?

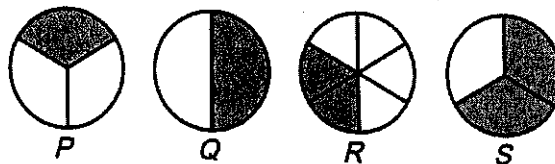
Answer: _____

Mrs. Fontana's class fills one whole barrel. What fractions on the number lines for Mrs. Carter's class and Mr. Kim's class are equivalent to 1?

Mrs. Carter's Class _____

Mr. Kim's Class _____

4. Look at the shaded parts of the figures.



Which two figures show equivalent fractions?

Answer: _____

Words for the Wise

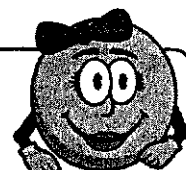
denominator

equivalent fractions

fraction

numerator

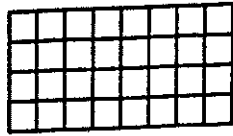
whole number





Unit 23 Partner Practice

1. Mr. Bonner's third-grade class plants a vegetable garden. The garden is a rectangle 8 feet long and 4 feet wide as shown.



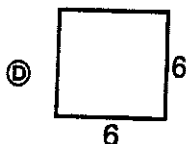
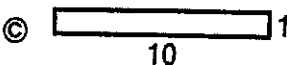
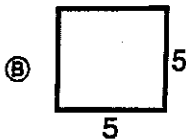
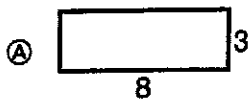
Key

represents 1 square foot (ft²)

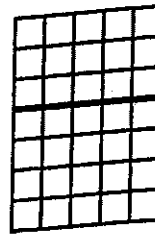
The students need to find the area of the garden so they will know how much fertilizer to purchase to cover the soil. Which does **not** describe a way the students can find the area, in square feet, of the garden?

- (A) They can multiply 4×8 .
- (B) They can add $8 + 4 + 8 + 4$.
- (C) They can add $8 + 8 + 8 + 8$.
- (D) They can cover the garden plot with square foot tiles and count the tiles.

2. Which of these rectangles has the smallest area?



3. Coach Smith put up a volleyball net in the gym dividing the room into two parts.



← Volleyball net

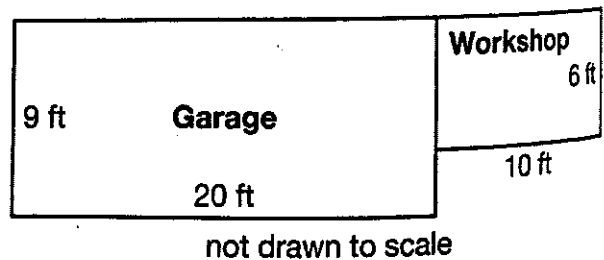
Key

represents 1 square foot (ft²)

The total area of the gym floor can be found using the area of each part. Which expression can be used to find the total area of the gym floor?

- (A) $3 + 5 + 4 + 5$
- (B) $(3 + 5) \times (4 + 5)$
- (C) $(3 \times 4) + (5 \times 5)$
- (D) $(3 \times 5) + (4 \times 5)$

4. Dennis builds a workshop on the side of his garage. The floor plan is shown.



What is the area, in square feet, of the garage and the workshop?

- (A) 450 ft²
- (B) 240 ft²
- (C) 110 ft²
- (D) 45 ft²

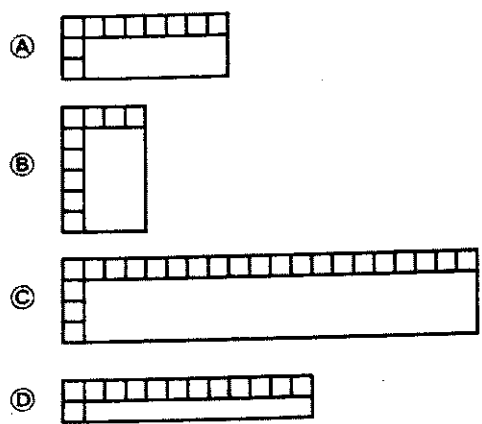


Unit 23 Assessment

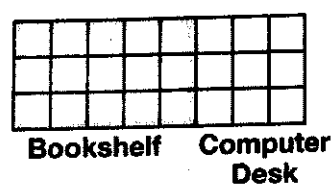
Name _____

Standard 3.MD.C.7

1. Megan tiled a rectangle with an area of 24 square centimeters. Select **all** the models that could represent Megan's rectangle.



2. Diann places her bookshelf and computer desk side by side. The gray section represents the bookshelf and the white section represents the computer desk in this model.



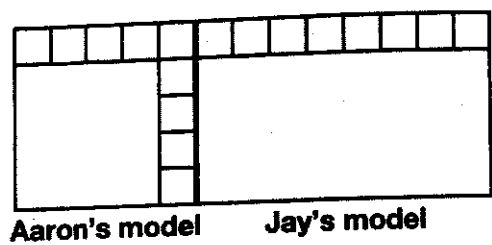
Which expression can be used to find the amount of floor space Diann needs for both pieces of furniture?

- (A) $5 + 3 + 3 + 3$
- (B) $(3 \times 5) + (3 \times 3)$
- (C) 15×9
- (D) $(8 + 3) + (8 + 3)$

3. Andrew needs a rectangular rug that covers at least 36 square feet in his office. Which could be the dimensions of the rug he buys?

- (A) 6 ft long and 3 ft wide
- (B) 8 ft long and 4 ft wide
- (C) 9 ft long and 2 ft wide
- (D) 9 ft long and 4 ft wide

4. Aaron and his brother, Jay, each built a scale model of an animal pen. Aaron's model measured 5 by 5 units, and Jay's model measured 5 by 8 units. The large rectangle shows how the boys combined the pens.



Which method could **not** be used to find the area, in square units, of the combined pens?

- (A) Multiply 5×5 and 5×8 , then add the two products.
- (B) Add $5 + 8$, then multiply the sum by 5.
- (C) Add $13 + 13 + 13 + 13 + 13$.
- (D) Add $5 + 5 + 8 + 8$.

5. Holt Elementary School sells advertising space in the yearbook. The layout for the different rectangular ads on a page is shown in the diagram.

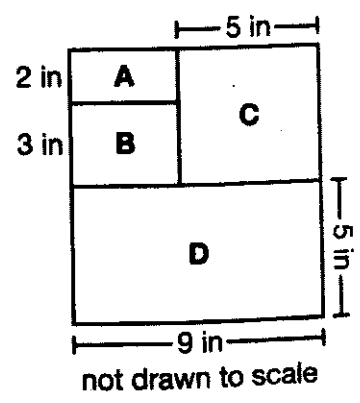
What are the areas of each advertising section on a page?

A _____ C _____

B _____ D _____

What is the total area in square inches of a page?

Answer: _____



Fiction Book Report

Title:

Author:

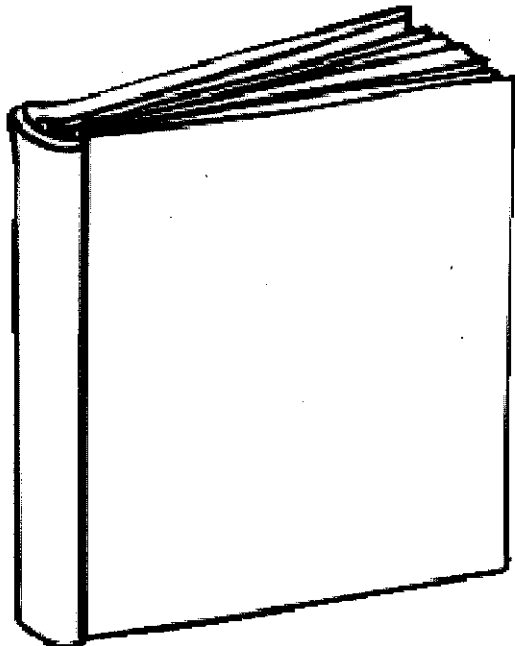
Tell how the conflict was resolved.

Describe the main conflict in this story.

GENRE

- realistic fiction
- historical fiction
- science fiction
- fantasy
- horror
- other

If I had to design a new cover for this book it would look like this:



I rate this book:



Name and describe the main character.

This story mostly takes place

Draw the main setting.

By:

Non-Fiction Book Report

Title: _____
Author: _____

Explain what this information book is about.

5 Interesting facts I learned from this book:

Remember to write facts in your own words!

1. _____
_____ Page _____

2. _____
_____ Page _____

3. _____
_____ Page _____

4. _____
_____ Page _____

5. _____
_____ Page _____



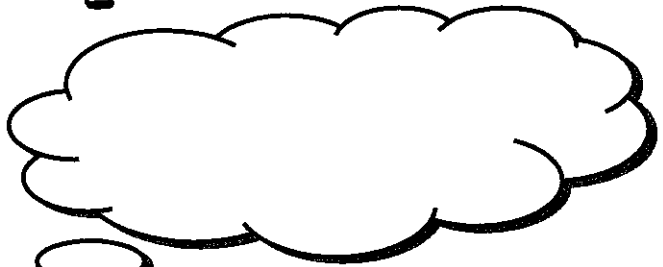
I rate this book:

of pages in book

Diagram

Choose an explanation from the text and illustrate using a diagram. Write a caption underneath.

Opinion



Write down an opinion on the topic of this book.

By: