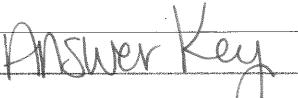
Set A | pages 451–456





Reteaching

I fraction can be written as the product of a vhole number and a unit fraction. Consider he model shown below.

		2000		网络手袋剪		後接線
			24.40			
	1					
機器・機			· 5000000			- 1000
CONTRACTOR OF THE PARTY OF THE	ACCOUNT OF THE PARTY OF	(Sec. 200)		Minoral Korn	ACCOUNT NAME OF	

lach fraction strip represents the unit raction $\frac{1}{8}$.

There are 5 fraction strips in all.

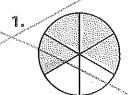
So, the model represents $5 \times \frac{1}{8}$, or $\frac{5}{8}$.



Select a digital tool to solve the problems in Set A.

Remember that a unit fraction has a numerator of 1.

Write a multiplication equation with a unit fraction that describes the fraction shown. Use fraction strips to help.



3.
$$\frac{4}{5} = \square \times \square$$

4.
$$\frac{7}{12} = 1$$

Set B pages 457–462, 463–468

Find $\frac{2}{3}$ of 6.

)ne Way

of 6 is 2.

is twice as much

15 $\frac{1}{2}$.

50, $\frac{2}{3}$ of 6 is 4.

Another Way

Multiply first and then divide.

$$\frac{2}{3} \times 6 = \frac{12}{3} = 4$$

Remember that the word of often means to multiply.

Find each product. Simplify, if possible.

①
$$4 \times \frac{1}{2} = \frac{4}{2} = 2$$
 ② $\frac{3}{4}$ of 16 12

$$(3.)$$
 24 $\times \frac{1}{8}$ $\frac{4}{5}$ $(4.)$ $\frac{4}{7}$ of 28

$$45\frac{4}{7}$$
 of 28

5.
$$\frac{4}{5} \times 37$$

6.
$$\frac{7}{8} \times 219$$

Set C. pages 469–474

\ 4-foot board is cut into pieces that are foot in length, How many pieces are there?

4 feet

ength of oard

x pieces





length of each piece

$$1 \div \frac{1}{2} = 4 \times \frac{2}{1} = \frac{8}{1} = 8$$

There are 8 pieces.

Remember that you can draw a picture or use objects such as fraction strips to help you understand the problem.

A 12 foot-long playground is marked off into $\frac{1}{5}$ -foot-long sections for a game. How many sections are there? 12

4 4-pound package of peanuts is divided into $\frac{1}{4}$ pound packages. How many $\frac{1}{4}$ -pound packages will there be?

16 packages | Reteaching

495

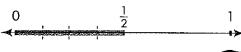
= 60

Set D pages 475–480, 481–486

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

Use multiplication. Multiply by the reciprocal of the divisor.

$$\frac{1}{2} \div 4 = \frac{1}{2} \times \frac{1}{4}$$
$$= \frac{1}{8}$$



Remember. you can use objects or a number line to help you divide.



Set E

pages 487-492

Helen has \$97 in quarters and half-dollars combined. She has \$13 in quarters. How many half-dollars does she have?

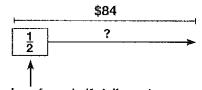
What is the hidden question or questions?

How much does Helen have in half-dollars?

? \$13

$$$97 - $13 = $84$$

How many $\frac{1}{2}$ dollars are in \$84?



value of one half-dollar coin

$$$84 \div \frac{1}{2} = 84 \times \frac{2}{1} = 168$$

Helen has 168 half-dollars.

Remember that to write the reciprocal of a fraction, switch the numerator and denominator.

Find each quotient.

$$(1) \frac{1}{3} \div 2 \quad (2)$$

$$(2)\frac{1}{7} \div 7$$

$$3\frac{1}{2} \div 8 \frac{1}{16}$$

4.
$$\frac{1}{8} \div 2$$

5.
$$7 \div \frac{1}{2}$$

6.
$$25 \div \frac{1}{6}$$

7.) Mr. Holms had $\frac{1}{5}$ of a carton of orange juice left. He used equal amounts of the leftover juice for two servings. What fraction of the whole carton of juice did he use for each serving?



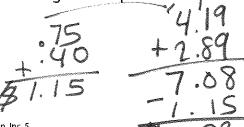
Remember to answer the hidden question or questions first.

Ana was in a charity walk. She raised \$0.25) for each nile that she walked. The first day, Ana walked 11 miles. The seconday, she walked 14 miles. How much money did Ana raise?

\$12.50

2. In Problem 1, write and solve any hidden question or questions that you need to answerfirst:

3. Leo has a store coupon for \$0.40 off and another coupon for \$0.75 off. He buys a carton of juice for \$4.19 and a carton of milk for \$2.89. What is his total cost after using the coupons?



Jame .	
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- 1. If the diameter of a tree trunk is growing $\frac{1}{4}$ inch each year, how many years will it take for the diameter to grow 8 inches?
 - A 2 years
 - **B** 8 years
 - 24 years
 - D 32 years
- 2. Samantha wrote three products equal to $\frac{7}{8}$. Which of the following did she **NOT** write?

 - **A** $\frac{6}{8} \times 1$ **B** $\frac{7}{8} \times 1$
 - $C 7 \times \frac{1}{8}$
 - **D** 21 $\times \frac{1}{24}$

Mrs. Webster wants to divide 6 pints of milk into $\frac{1}{3}$ pint-size servings. How many servings will she have?

- 4. One-half of a cantaloupe was shared equally among 3 people. What fraction of the whole cantaloupe did each person get?
 - A $\frac{1}{6}$ cantaloupe
 - $\mathbf{B} = \frac{1}{5}$ cantaloupe
 - $C = \frac{1}{3}$ cantaloupe
 - $D = \frac{1}{2}$ capitaloupe
- 5. Raven is making pillows. Each pillow requires $\frac{1}{5}$ vard of fabric. Raven has
 - 6 yards of fabric. Use the model to find the number of pillows Raven can make.

- $\mathbf{A} = \frac{1}{30}$ pillow
- $\mathbf{B} = \frac{7}{5}$ pillows
- C 11 pillows
- D 30 pillows

Test

- A farmer own 24 acres of land. He plans to use 6 acres for an entrance into the farm and divide the remaining land into $\frac{1}{3}$ -acre lots. How many $\frac{1}{3}$ -acre lots will he have?
 - A 6 lots
 - **B** 18 lots
 - C 54 lots
 - **D** 72 lots



$$18 \div \frac{1}{3}$$
 $18 \times 3 = 5464$
Topic 9 Test 497

Jason spends $\frac{1}{3}$ of each day sleeping. What is the total number of days that Jason spends awake in 1 yeek?

7dayoz IWK

7×3= = 43day

2 2 2 2 3 3 3 3 3	
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8. Gus bought $\frac{2}{3}$ bound of turkey and $\frac{1}{4}$ bound of ham. The turkey cost \$9 per pound, and the ham cost \$7 per pound. In all, how much did Gus spend?

A \$1.75

(c) \$7.75

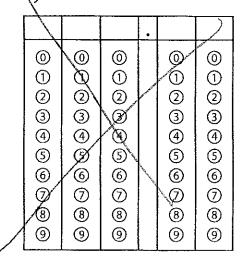
B \$6

D \$16

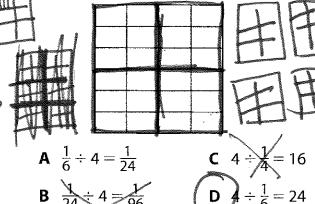
 $\frac{2}{3} \times 9 = 6$

34x7=3-13)1年

9. Tracy took a quiz containing 12 items. If she answered $\frac{5}{6}$ of the items correctly, how many items did she answer correctly?



10. Which number sentence is represented by the model that Jesse drew?



11. Three-quarters of a veggie pizza is left over. Mariah, Nick, and Kathryn are sharing the leftover pizza equally. What fraction of the original pizza does each person get?

A $\frac{1}{8}$ pizza

 $C \frac{1}{2}$ pizza

B pizza

D Not here

12. The Marks family has two orchards. The orchard by the river is 6 acres in size. The orchard on the hill is 9 acres in size. If $\frac{2}{3}$ of the river orchard has apple trees and $\frac{1}{3}$ of the hill orchard has apple trees, how many total acres are planted with apple trees?