

Unit 8: Home Practice

Part 1 Triangle Flash Cards: 9s

Study for the quiz on the division facts for the nines. Take home your Triangle Flash Cards: 9s and your list of facts you need to study.

Ask a family member to choose one flash card at a time. He or she should cover one of the smaller numbers. (One of the smaller numbers is circled. The other has a square around it.) Solve a division fact using the two uncovered numbers. Ask your family member to sometimes cover the circled number and sometimes cover the number in the square.

Your teacher will tell you when the quiz on the nines will be.

Part 2 Multiplication

- Solve the following problems in your head. Remember to follow the proper order of operations.
 - $87 \times 0 =$ _____
 - $211 \times 1 =$ _____
 - $0 \times 1800 =$ _____
 - $1 \times 7898 =$ _____
 - $8 \times 0 + 8 =$ _____
 - $7 + 1 \times 10 =$ _____
 - $16 \times 1 - 7 =$ _____
 - $6 \times 1 - 2 \times 0 =$ _____
 - $20 - 0 \times 7 =$ _____
 - $20 \times 7 - 0 =$ _____
- Write all the multiples of 6 in order from 6 to 60. Explain why all the multiples of 6 are even numbers.

Part 3 Arithmetic Review

1. Solve the following problems using mental math or paper and pencil. Estimate to make sure your answers are reasonable. Use the *Multiplication Strategies Menu for Larger Numbers* in the *Student Guide Reference* section to help you.

A. $231 \times 4 =$

B. $409 \times 5 =$

C. $6283 \times 4 =$

D. $570 \times 5 =$

E. $70 \times 40 =$

F. $83 \times 50 =$

G. $8367 - 538 =$

H. $3807 - 797 =$

I. $3450 + 4750 =$

2. Explain your estimation strategy for Question 1C.

3. Choose two problems in Question 1 and explain how you can solve them using mental math.

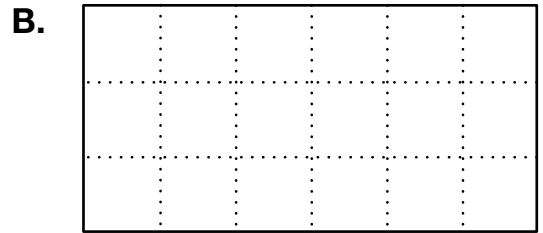
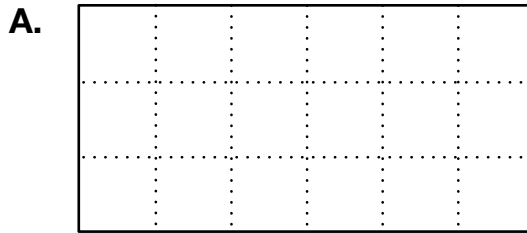
Part 4 Problem Solving

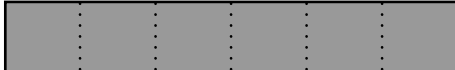
Solve the following problems. You may use mental math, paper and pencil, or a calculator.

1. John's uncle is taking a test to be a cashier at a grocery store. He must show different ways to give 59¢ in change using exactly 10 coins. Show one way to do this. As a challenge, show a second way.
2. Each of 20 students in a 4th-grade class needs to sell 12 boxes of cookies for a school fund-raiser. The 3rd-grade class also has 20 students and they need to sell only 6 boxes each. How many boxes do the 4th- and 3rd-graders need to sell in all?
3. Jerome has been given \$35.00 to buy items for his trip to a water park. He wants to buy a snorkeling mask for \$17.50, a new bathing suit for \$12.25, and an extra large beach towel for \$7.99. Estimate to see if he has enough money. If there is no sales tax, about how much change will he get? If he does not have enough money, about how much more money will he need?
4. Nila thinks that if she reads 30 pages of a 250-page book every night for eight nights she will finish the book. Is Nila right or wrong? Explain.

Part 5 Fraction Rectangles

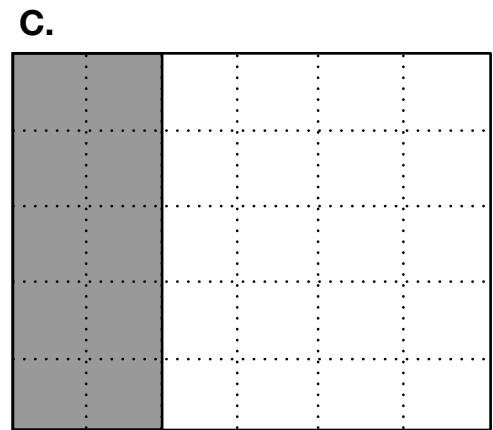
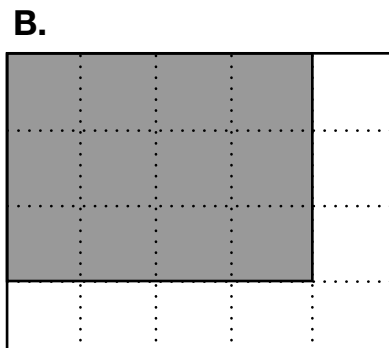
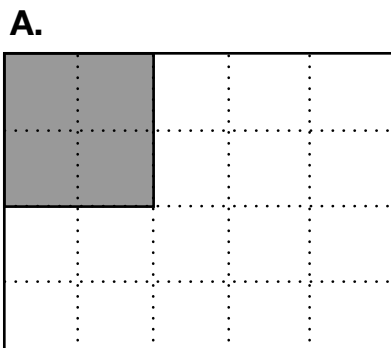
1. Divide the large rectangle into sixths in two different ways.



2. If  is two-fifths, show one whole.



3. Write a fraction for the shaded part of each rectangle. Use numbers and words. Use *Writing Numbers in Words* in the *Student Guide* Reference section to help you.



Number _____

Words

Number _____

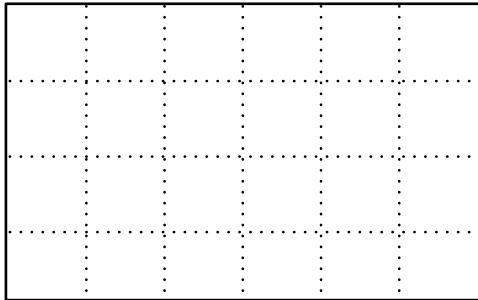
Words

Number _____

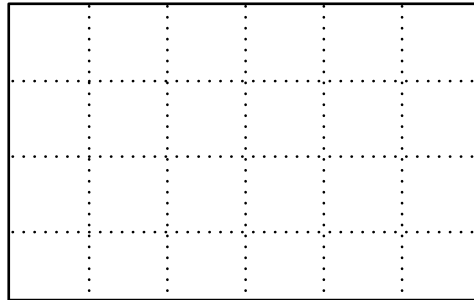
Words

Part 6 Fraction Rectangles and Strips

1. Shade $\frac{2}{3}$ of the large rectangle.



2. Shade $\frac{5}{8}$ of the large rectangle.

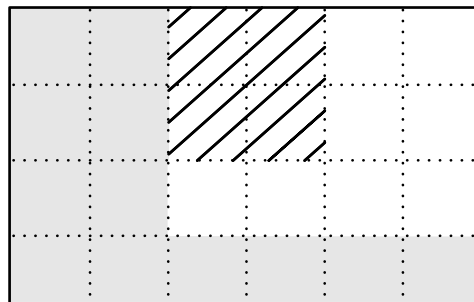


3. Use the large rectangle for Questions 3A, 3B, and 3C.

A. Name a fraction for the part with stripes.

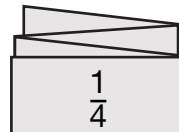
B. Name a fraction for the part that is gray.

C. Name a fraction for the part that is white.

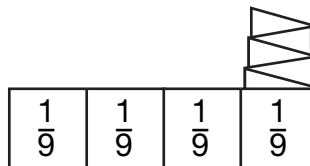
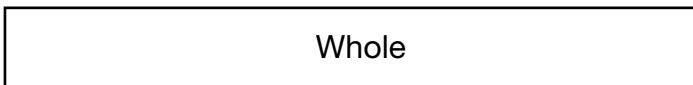


4. Write two names for the numbers shown with fraction strips below.

A.



B.



Home Practice

Part 2

Multiplication (TG p. 1)

- I. A. 0
 B. 211
 C. 0
 D. 7898
 E. 8
 F. 17
 G. 9
 H. 6
 I. 20
 J. 140
2. 6, 12, 18, 24, 30, 36, 42, 48, 54, 60.
 An even number has 2 as a factor. Since 2 is a factor of 6, 2 is a factor of all the multiples of 6. So, all the multiples of 6 are even numbers.

Part 3

Arithmetic Review (TG p. 2)

- I. A. 924
 B. 2045
 C. 25,132
 D. 2850
 E. 2800
 F. 4150
 G. 7829
 H. 3010
 I. 8200
2. Possible strategy: $6000 \times 4 = 24,000$
3. Possible response:
 For B. $400 \times 5 = 2000$, and $9 \times 5 = 45$,
 so $409 \times 5 = 2045$
 For F. $80 \times 50 = 4000$, and $50 \times 3 = 150$,
 so $80 \times 53 = 4150$.

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Name _____ Date _____

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D. $570 \times 5 =$	E. $70 \times 40 =$	F. $83 \times 50 =$
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3. Choose two problems in Question 1 and explain how you can solve them using mental math.

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Name _____ Date _____

Part 4 Problem Solving

Solve the following problems. You may use mental math, paper and pencil, or a calculator.

- John's uncle is taking a test to be a cashier at a grocery store. He must show different ways to give 59¢ in change using exactly 10 coins. Show one way to do this. As a challenge, show a second way.
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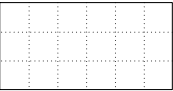
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Name _____ Date _____

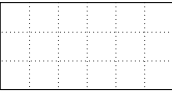

Part 5 Fraction Rectangles


- Divide the large rectangle into sixths in two different ways.

A.

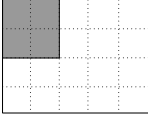


B.


- If  is two-fifths, show one whole.

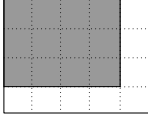

- Write a fraction for the shaded part of each rectangle. Use numbers and words. Use *Writing Numbers in Words* in the *Student Guide Reference* section to help you.

A.



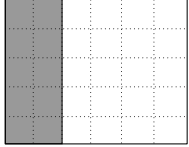
Number _____
Words _____

B.



Number _____
Words _____

C.



Number _____
Words _____

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Part 4

Problem Solving (TG p. 3)

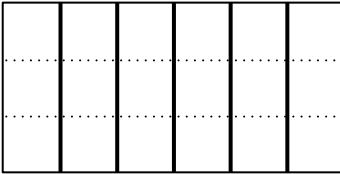
- Answers will vary. Correct responses include:
5 dimes + 1 nickel + 4 pennies; 1 quarter + 4 nickels + 1 dime + 4 pennies; 1 half-dollar + 9 pennies
- 360 boxes
- Jerome will not receive any change; he needs about \$3 more.
- Nila will not finish reading the book.
 $30 \times 8 = 240$

Part 5

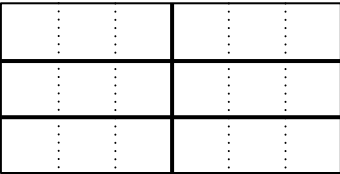
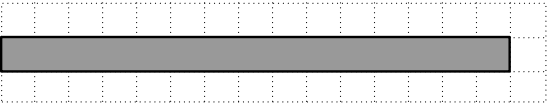
Fraction Rectangles (TG p. 4)

Answers may vary. One possible response is given for each question.

- A.



B.


- 
- A. $\frac{1}{5}$; one-fifth

B. $\frac{6}{10}$; six-tenths

C. $\frac{1}{3}$; one-third

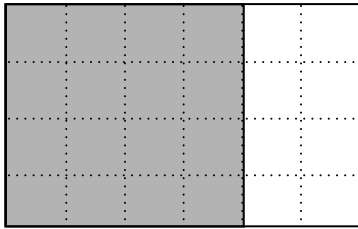
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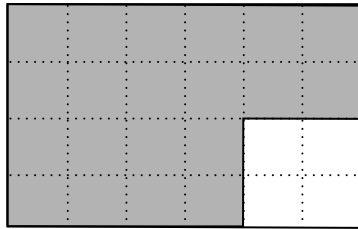
Part 6

Fraction Rectangles and Strips (TG p. 5)

1. Answers may vary. Possible response:



2. Answers may vary. Possible response:



3. Answers may vary. Possible response:

A. $\frac{1}{6}$

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

C. $\frac{1}{3}$

4. A. $\frac{5}{4}$, $1\frac{1}{4}$, or $\frac{1}{4} \times 5$

B. $1\frac{4}{9}$, $\frac{13}{9}$, or $\frac{1}{9} \times 13$

Name _____ Date _____

Part 6 Fraction Rectangles and Strips

1. Shade $\frac{3}{4}$ of the large rectangle. 2. Shade $\frac{3}{4}$ of the large rectangle.

3. Use the large rectangle for Questions 3A, 3B, and 3C.

A. Name a fraction for the part with stripes.
 B. Name a fraction for the part that is gray.
 C. Name a fraction for the part that is white.

4. Write two names for the numbers shown with fraction strips below.

A.

B.

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