

# Math

# Summer Review



Grade 5

The Calverton School

This packet is due on the first day of school.

Name \_\_\_\_\_

## Place Value Whole Numbers

- 1 In the number 51,386,024, what digit is in the -

thousands place? \_\_\_\_\_

hundred-thousands place? \_\_\_\_\_

hundreds place? \_\_\_\_\_

millions place? \_\_\_\_\_

- 2 In the number 7,621,958 -

What is the value of the 2? \_\_\_\_\_

What is the value of the 8? \_\_\_\_\_

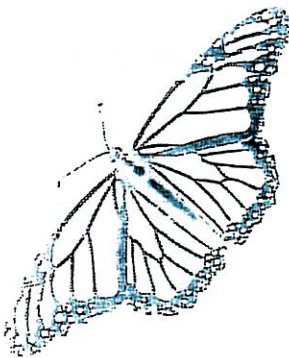
Directions For Questions 3-6, use the number 894,532,716

- 3 What digit is in the ten-millions place? \_\_\_\_\_

- 4 What is the value of the 3? \_\_\_\_\_

- 5 Write the number in expanded form: \_\_\_\_\_
- 
- \_\_\_\_\_

- 6 Write the number in word form: \_\_\_\_\_
- 
- \_\_\_\_\_
- 
- \_\_\_\_\_

Directions Read the word problem and write your answer below

- 7 Amin works on a monarch butterfly research project. He studies the migration patterns of monarch butterflies. Last spring, he tracked a pair of monarch butterflies that traveled 2,873 miles from Mexico to Canada.

What is the value of the 2 in this number?

\_\_\_\_\_

What digit is in the tens place? \_\_\_\_\_

Name \_\_\_\_\_

## Comparing whole Numbers

Directions Compare the numbers below by using the symbols  $>$ ,  $<$ , or  $=$

1 37,062 \_\_\_\_\_ 37,062

3 6,010 \_\_\_\_\_ 6,001

2 419,805 \_\_\_\_\_ 4,198,054

4 7,558,293 \_\_\_\_\_ 6,982,047

Directions Write "greater than," "less than," or "equal to" to compare the numbers

5 2,004,738 is \_\_\_\_\_ 2,040,738

Directions Fill in the missing digit to make the relationship true (There may be more than one correct answer)

6 1,283,745  $<$  1,2\_\_3,148

8 5,\_\_36,517  $>$  5,472,981

7 397,052  $=$  \_\_97,052

9 847,613  $>$  847,6\_\_3

Directions The chart below shows how many people had ridden on the rides at the Fun Park by the time Colby went there. Use the chart to answer Questions 10-11

- 10 Colby rode eight times on his favorite roller coaster, "Dominator." Is this coaster the most popular ride at the park? If not, which one is?

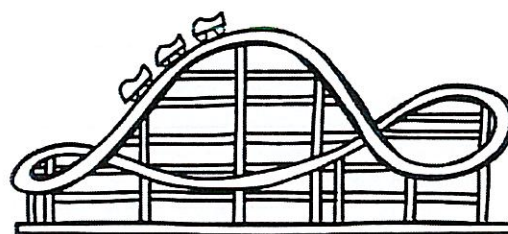
\_\_\_\_\_

- 11 Colby's cousin visited the Fun Park on a different day than Colby. When he was there, 184,837 total people had ridden on "Mind Warp." Did Colby's cousin visit the park before or after Colby? Explain how you know.

\_\_\_\_\_

\_\_\_\_\_

Name of Ride	Number of Riders
Dominator	188,794
Merrymaker	193,015
Mind Warp	182,056





Name \_\_\_\_\_

# Ordering whole Numbers

Directions Write the numbers in order from greatest to least

1 467,840      467,038      467,902

\_\_\_\_\_

2 5,062,173      5,207,613      5,285,361

\_\_\_\_\_

Directions Write the numbers in order from least to greatest

3 8,892      8,982      8,092      8,928

\_\_\_\_\_

Directions Read the word problems and write your answers below

- 4 Four children are waiting to go around the lazy river. They will get to ride in order of the numbers on their tubes. Show who will go first, second, third, and fourth on the ride by writing 1, 2, 3, and 4 on the lines



- 5 The chart shows last year's sales for 3 different sunscreen companies. Order the companies according to their sales (from highest to lowest)

1 \_\_\_\_\_

2 \_\_\_\_\_

3 \_\_\_\_\_

Company	Sales
Blockeez	\$34,910,386
Sun's Out	\$34,901,386
Sun Bun	\$34,910,836

Name \_\_\_\_\_

# Rounding whole Numbers

Directions For Questions 1-6, round the numbers to the -

...nearest thousand:

1 3,938 \_\_\_\_\_

2 853,246 \_\_\_\_\_

...nearest ten thousand:

3 71,984 \_\_\_\_\_

4 4,928,607 \_\_\_\_\_

...nearest hundred thousand:

5 97,215 \_\_\_\_\_

6 3,351,659 \_\_\_\_\_

Directions Read the word problem and write your answer below

- 7 Caty went to the beach with her family on Saturday. The beach was packed with people! Caty was surprised to learn that 3,482,605 people visited this beach last year. What is this number rounded to the nearest hundred thousand?

\_\_\_\_\_

Directions Use the spinner to round the number below to three different places

7,927,461

8 nearest \_\_\_\_\_:

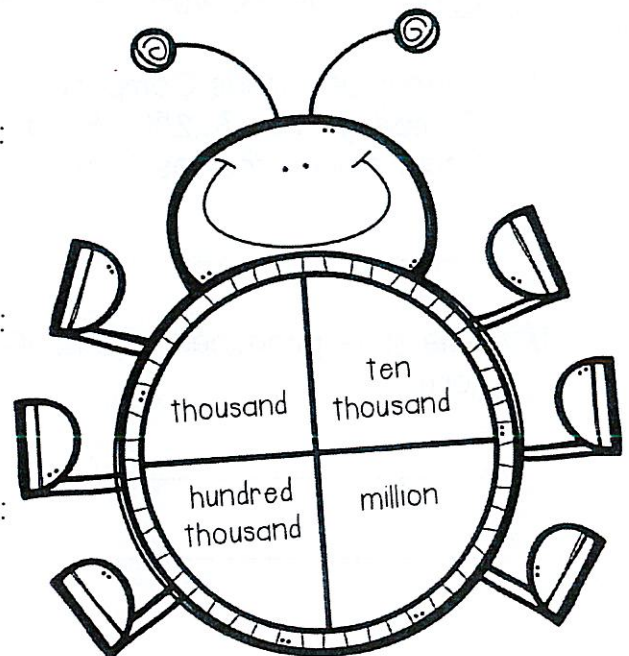
\_\_\_\_\_

9 nearest \_\_\_\_\_:

\_\_\_\_\_

10 nearest \_\_\_\_\_:

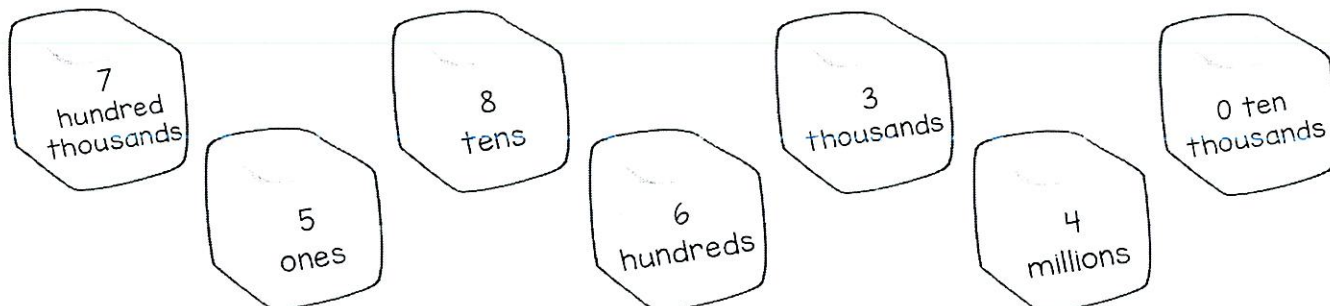
\_\_\_\_\_



Name \_\_\_\_\_

# whole Numbers: Mixed Review

- 1 Use the information on the ice cubes to build a mystery number



Mystery Number: \_\_\_\_\_

- 2 How does the mystery number compare to the following numbers?

Mystery Number \_\_\_\_\_ 487,299      43,706,527 \_\_\_\_\_ Mystery Number

- 3 Round the mystery number to the nearest -

ten thousand: \_\_\_\_\_

hundred thousand: \_\_\_\_\_

Directions Read the word problems and write your answers below

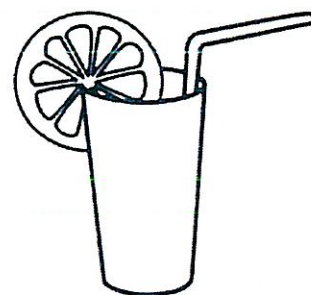
- 4 Theo's Lemonade Company made \$1,291,348 last year Dima's Limeade Company made \$1,254,783, and Lila's Coolade Company made \$1,278,962. Order the companies from least to most profit (money made)

\_\_\_\_\_

- 5 One state produced 48,392,608 lemons last year Write this number in word form

\_\_\_\_\_

\_\_\_\_\_





# Comparing Numbers Game

Name: \_\_\_\_\_

Materials: 2 game sheets, 2 pencils, and a die

**Directions:** Complete the top row of the place value chart below (the ones column has been done for you). Then, roll a die and choose a column in which to write the digit you rolled. Your goal is to make the smallest number you can. Continue until all columns are filled. Then, compare your number to your partner's. Whoever created the smaller number wins the round.

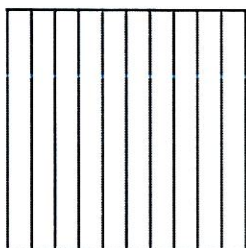
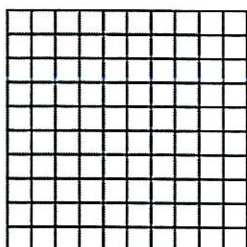
[illegible]

Name: \_\_\_\_\_

# Comparing and Ordering Fractions

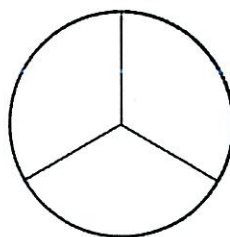
Directions: Write the fractions shown in the pictures below, or shade the pictures to show the fractions given. Then compare them by using the symbols  $<$ ,  $>$ , or  $=$ .

1.

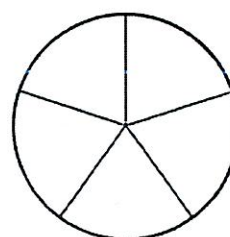


\_\_\_\_\_  $<$ ,  $>$ , or  $=$  \_\_\_\_\_

2.



$\frac{2}{3}$



$\frac{4}{5}$

\_\_\_\_\_  $<$ ,  $>$ , or  $=$  \_\_\_\_\_

3. Compare the fractions below by using the symbols  $<$ ,  $>$ , or  $=$ .

$\frac{1}{5}$

\_\_\_\_\_

$\frac{3}{5}$

$\frac{1}{4}$

\_\_\_\_\_

$\frac{3}{12}$

$\frac{5}{7}$

\_\_\_\_\_

$\frac{5}{9}$

4. Order the fractions below from least to greatest.

$\frac{7}{12}$

$\frac{3}{4}$

$\frac{1}{12}$

$\frac{2}{6}$

\_\_\_\_\_

5. Which benchmark numbers will help you compare  $\frac{3}{6}$  and  $\frac{6}{7}$ ?

A.  $0 < 1$

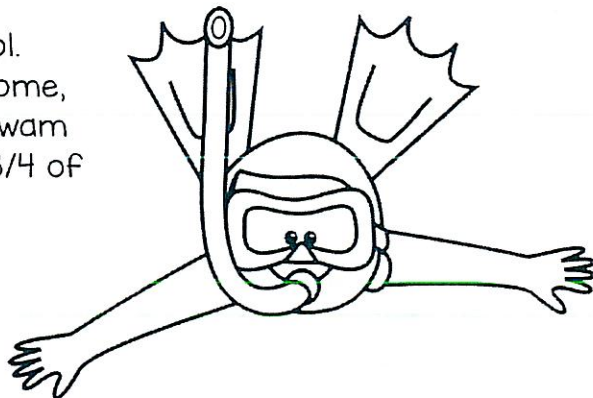
B.  $\frac{1}{2} > 0$

C.  $\frac{1}{2} = \frac{1}{2}$

D.  $\frac{1}{2} < 1$

6. Katie and Devin spent the afternoon at the pool. When their mom told them it was time to go home, they both swam to a ladder to get out. Devin swam  $\frac{7}{8}$  of the length of the pool, and Katie swam  $\frac{3}{4}$  of it. Who swam farther?

\_\_\_\_\_

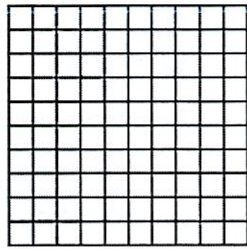
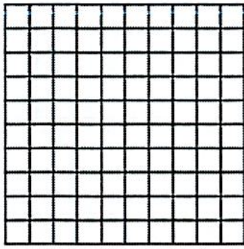




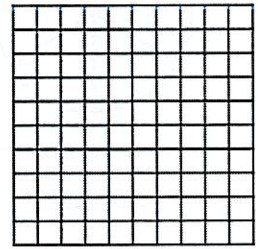
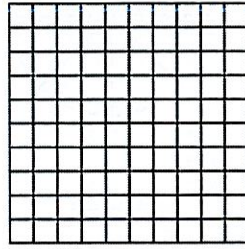
Name: \_\_\_\_\_

# Comparing and Ordering Improper Fractions and Mixed Numbers

1. Label the mixed numbers shown in the pictures below. Then compare them by using the symbols  $<$ ,  $>$ , or  $=$ .



\_\_\_\_\_



\_\_\_\_\_

\_\_\_\_\_

2. Compare the numbers below by using the symbols  $<$ ,  $>$ , or  $=$ .

$$\frac{4}{3} \quad \underline{\hspace{1cm}} \quad 1\frac{2}{3}$$

$$3\frac{5}{10} \quad \underline{\hspace{1cm}} \quad 3\frac{2}{4}$$

$$\frac{11}{9} \quad \underline{\hspace{1cm}} \quad 1\frac{4}{9}$$

3. Order the numbers below from greatest to least.

$$1\frac{1}{4}, \frac{7}{4}, 2\frac{3}{5}, 1\frac{2}{6}$$

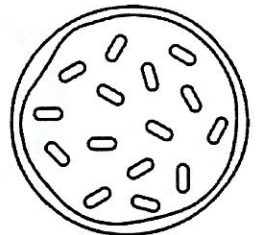
\_\_\_\_\_

4. Ravi and Shayla love eating cookies when they come home from camp. Their mom gave them a box of cookies to share. Ravi ate four and three-fifths cookies. Shayla ate four and seven-tenths cookies. Write a statement comparing the amount of cookies they ate, using the words "less than," "greater than," or "equal to."

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

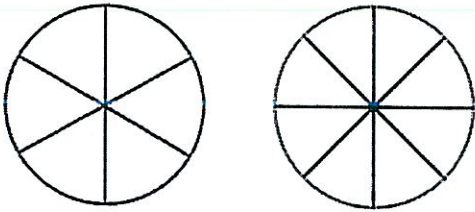


Name: \_\_\_\_\_

# Equivalent Fractions

Directions: For Questions 1 and 2, label the fraction shown on the left. Shade the shape on the right to show an equivalent fraction, and label it underneath.

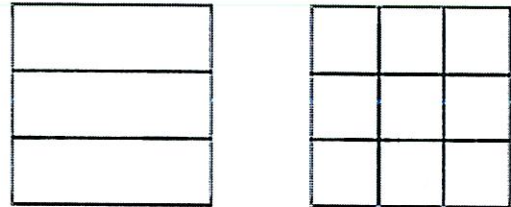
1.



\_\_\_\_\_

\_\_\_\_\_

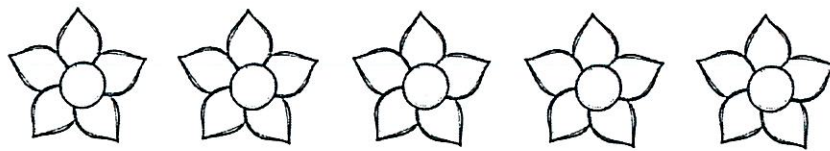
2.



\_\_\_\_\_

\_\_\_\_\_

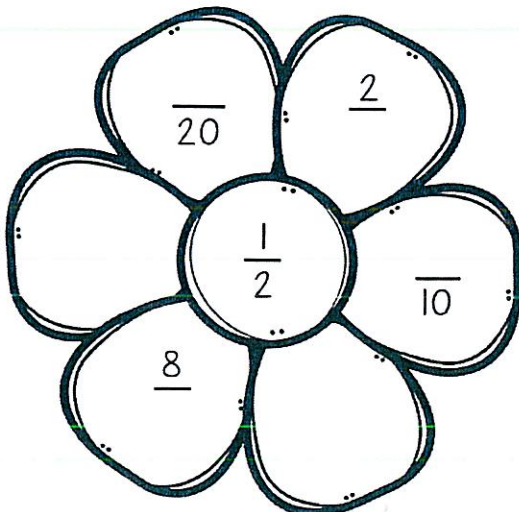
3. A fractional part of this group of flowers is shaded.



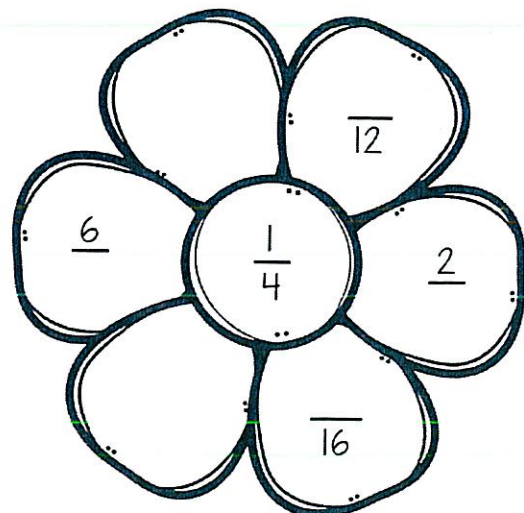
In the space below, draw a group of seeds that has an equivalent fraction of seeds shaded.

Directions: For Questions 4 and 5, look at the fractions in the center of the flowers. Fill in the missing numerators and denominators to create equivalent fractions to those fractions. Make up your own examples on the blank petals.

4.



5.





Name: \_\_\_\_\_

## Fractions: Mixed Review

1. What is the division statement for  $\frac{3}{5}$ ? \_\_\_\_\_

2. Write three equivalent fractions for the fraction shown below.



\_\_\_\_\_

3. Is the fraction  $\frac{8}{9}$  closest to 0,  $\frac{1}{2}$ , or 1? \_\_\_\_\_

4. Write  $<$ ,  $>$ , or  $=$  to compare the fractions and mixed numbers below.

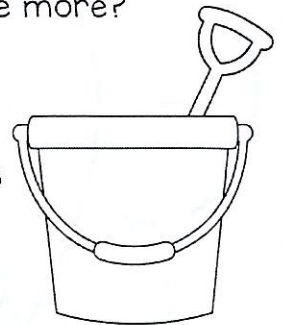
$$\frac{7}{8} \quad \frac{5}{6} \quad \frac{2}{3} \quad \frac{3}{4} \quad 2\frac{2}{5} \quad 2\frac{4}{10}$$

5. Sophia and Declan went to the beach for the day. After swimming for an hour, they were very hungry. Their mom bought them some food at the snack shop. Sophia ate 1 and  $\frac{3}{5}$  hot dogs. Declan ate 1 and  $\frac{3}{8}$  hot dogs. Who ate more?

\_\_\_\_\_

6. Sophia built an enormous sand castle. She decorated four-sevenths of it with seashells. Write an equivalent fraction for this amount.

\_\_\_\_\_



7. Declan wanted to rent a water tube. His dad told him to find the one with the best price. Declan saw 3 rental stands. They all cost \$3.00, but they let the renter use the water tube for different amounts of time. Order the stands from the best deal (the most time) to the worst deal (the least time).

Stand	Time
Bob's Beach Toys	$7\frac{1}{2}$ of an hour
Ray's Rentals	$5\frac{1}{6}$ of an hour
Flo's Fun House	$3\frac{1}{4}$ of an hour

#1: \_\_\_\_\_

#2: \_\_\_\_\_

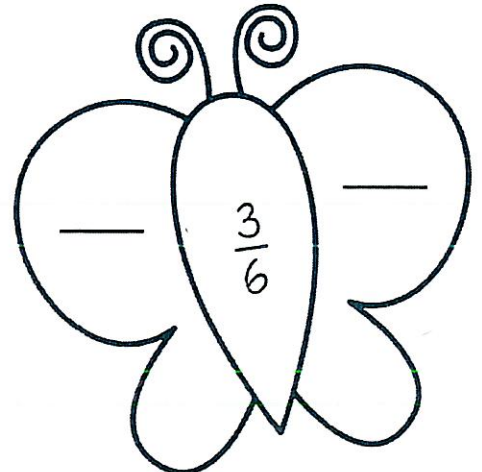
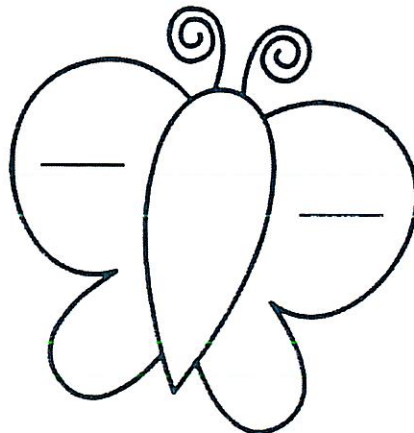
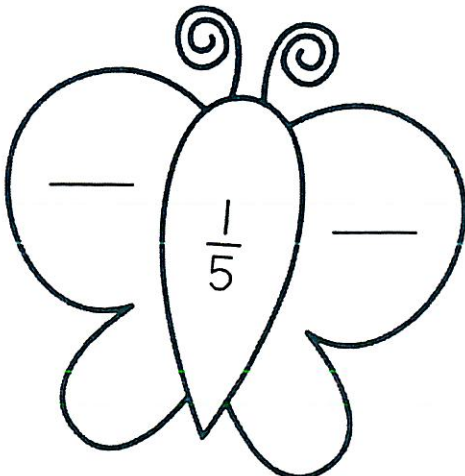
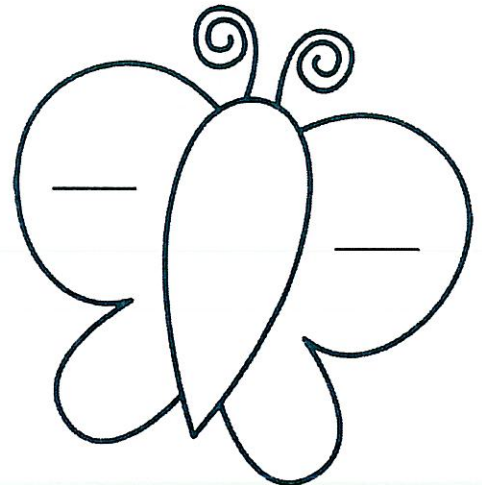
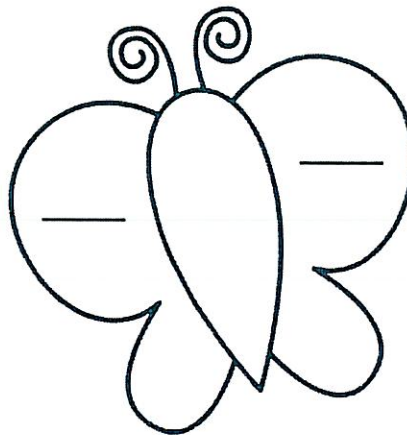
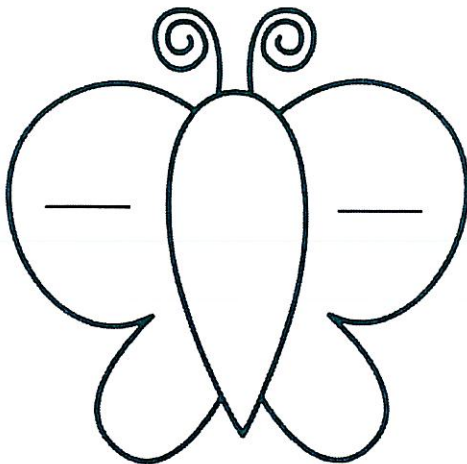
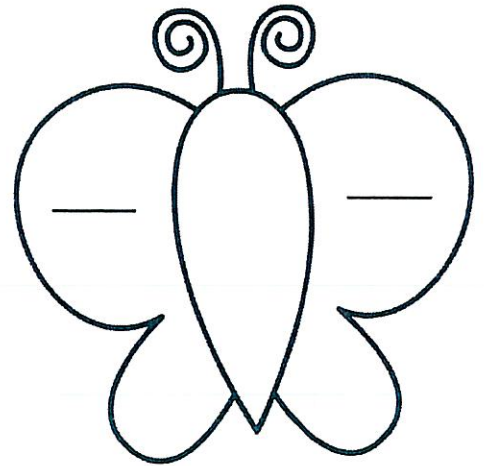
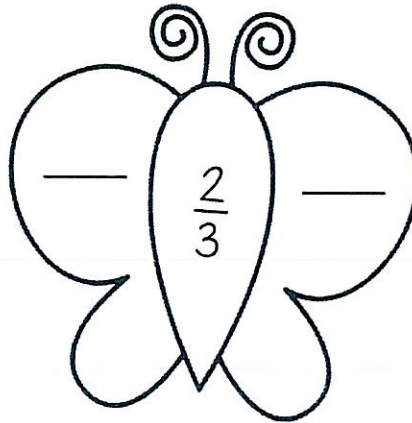
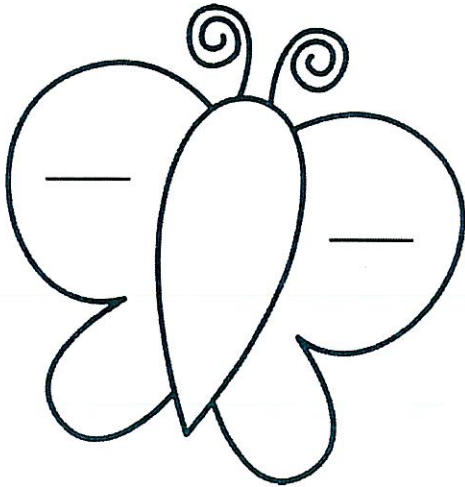
#3: \_\_\_\_\_



# Comparing Fractions Game

Materials: a game sheet, a pencil, three colored pencils, and a die

Directions: Choose a butterfly. Roll the die and write the digit as a numerator or denominator on one wing of the butterfly. Then, your partner takes a turn, using the other wing. Repeat until you have both written a fraction. Whoever creates the largest fraction wins the round, and can color the butterfly with his/her colored pencil. (If there is a fraction written in the center of the butterfly, you must compare all 3 fractions. If the center fraction is the largest, use the third color.) Repeat until all of the butterflies are completed. Whoever has colored the most butterflies wins!

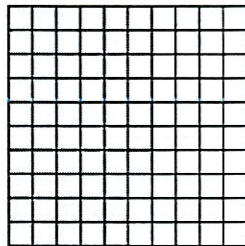
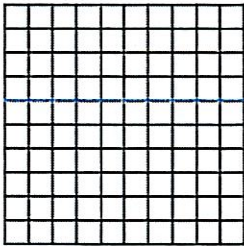


Name: \_\_\_\_\_

## Place Value: Decimals

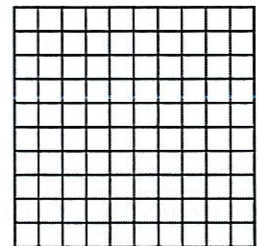
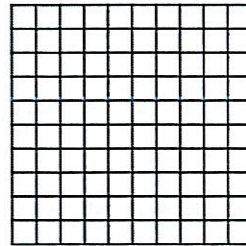
Directions: For Questions 1 and 2, write the amount shown in the pictures, or shade the pictures to show the amount given.

1.



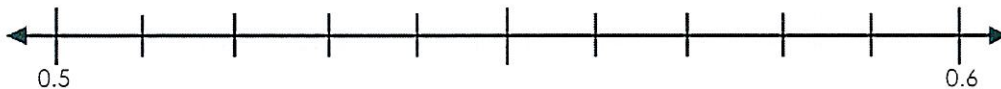
\_\_\_\_\_

2.



0.13

3. Show the number 0.58 on the number line below.



4. In the number 1.039, what digit is in the -

thousandths place? \_\_\_\_\_

tenths place? \_\_\_\_\_

ones place? \_\_\_\_\_

hundredths place? \_\_\_\_\_

5. What is three and four hundred sixty-one thousandths, written in standard form?

\_\_\_\_\_

Directions: For Questions 6-8, use the number 15.823.

6. What digit is in the tenths place? \_\_\_\_\_

7. What is the value of the 3? \_\_\_\_\_

8. Write the number in word form: \_\_\_\_\_

\_\_\_\_\_

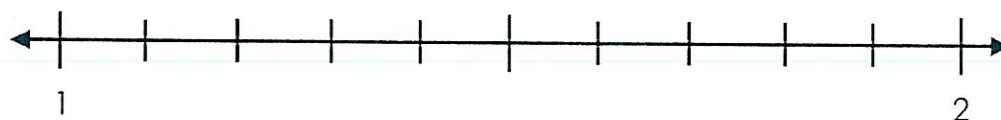




Name: \_\_\_\_\_

# Rounding Decimals

1. Draw a point on the number line to show 1.3. What number would it round to?



1.3. rounds to \_\_\_\_\_

Directions: Round the decimals below to the nearest whole number.

2. 5.789 \_\_\_\_\_

5. 0.43 \_\_\_\_\_

3. 13.5 \_\_\_\_\_

6. 1.925 \_\_\_\_\_

4. 2.36 \_\_\_\_\_

7. 182.273 \_\_\_\_\_

Directions: Write a decimal that could round to the number shown.

8. 2 \_\_\_\_\_

9. 8 \_\_\_\_\_

Directions: Read the word problems and write your answers below.

10. Tahlia was competing in a soccer relay game. The winner completed the relay in 56.84 seconds. What is this amount rounded to the nearest second?

\_\_\_\_\_

11. Koi and his friends were playing a game of soccer. The soccer ball they were using weighs 437.395 grams. How much does the ball weigh, rounded to the nearest gram?

\_\_\_\_\_



12. Joey joined a summer soccer league. His mom decided to buy him a fancy goal so he could practice at home. The goal cost \$99.73. Rounded to the nearest dollar, how much will Joey's mom spend?

\_\_\_\_\_



Name: \_\_\_\_\_

# Comparing and Ordering Decimals

1. Compare the numbers below by using the symbols  $>$ ,  $<$ , or  $=$ .

0.18 \_\_\_\_\_ 0.180

15.67 \_\_\_\_\_ 15.672

3.041 \_\_\_\_\_ 3.401

0.5 \_\_\_\_\_ 0.489

2. Fill in the missing digit to make the relationship true. (There is more than one correct answer.)

7.083  $>$  7.08 \_\_\_\_\_

2. \_\_\_\_\_ 41  $<$  2.441

3. Order the numbers below from least to greatest.

14.78

1.471

1.047

1.47

\_\_\_\_\_

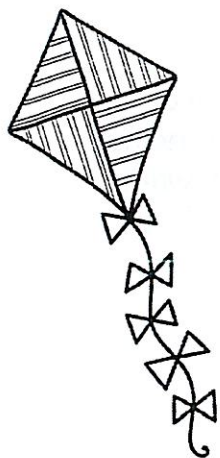
4. The numbers below appear in order from greatest to least, but one is in the wrong place. Circle the mistake and use an arrow to show where it should go.

0.83; 0.8; 0.038; 0.31

Directions: Use the chart to answer Questions 5-6.

5. Sara went to a toy store with her mom to buy a kite. She saw four different kites for sale. Which kite is the most expensive?

Kite	Price
blue	\$17.99
green	\$19.50
red	\$18.99
yellow	\$19.95



\_\_\_\_\_

6. On her way out of the store, Sara saw another kite for sale. This one was purple and cost \$18.50. Compare the price of this kite to one of the others, using "greater than," "less than," or "equal to."

\_\_\_\_\_

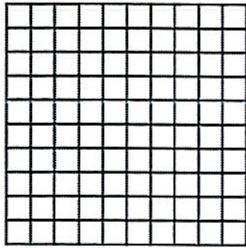
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Name: \_\_\_\_\_

# Decimals and Fractions

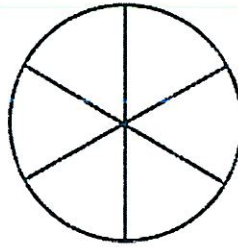
Directions: For Questions 1-3, look at the pictures below. Write the fraction and decimal shown in each picture.

1.



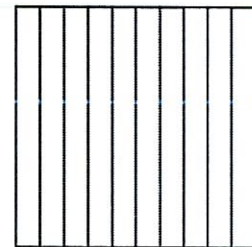
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2.



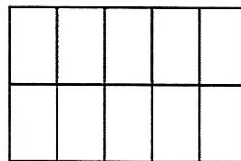
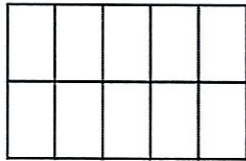
\_\_\_\_\_

3.



\_\_\_\_\_

4. The model below is shaded to represent a mixed number. What decimal is represented by this model?

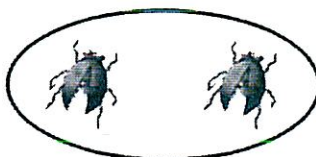


\_\_\_\_\_

5. Complete the chart.

Fraction	Decimal
$\frac{1}{4}$	
	0.5
three-fourths	

6. Lucy saw a group of 5 fireflies near her front porch. She gently caught some of them and held them a moment before letting them go. The picture below shows how many Lucy caught. What decimal is represented by this model? (Hint: write an equivalent fraction.)

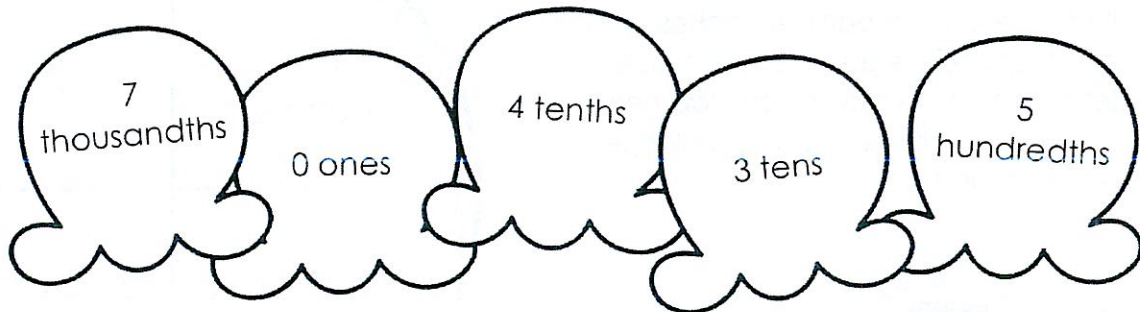


\_\_\_\_\_

Name: \_\_\_\_\_

## Decimals: Mixed Review

1. Use the information on the ice cream scoops to build a mystery number.



standard form: \_\_\_\_\_

word form: \_\_\_\_\_

2. How does your mystery number compare to the following numbers?

Mystery Number \_\_\_\_\_ 3.457      30.4570 \_\_\_\_\_ Mystery Number

3. Round your mystery number to the nearest whole number: \_\_\_\_\_

Directions: Read the word problems and write your answers below.

4. Kai ate most of his ice cream sandwich. The fraction that he ate is shown to the right. What is this number in decimal form?

\_\_\_\_\_


5. Seba and her siblings left their ice cream cones in the sun. Seba's melted in 143.71 seconds, her sister's melted in 143.701 seconds, and her brother's melted in 143.17 seconds. In what order did their ice cream cones melt?



First: \_\_\_\_\_

Second: \_\_\_\_\_

Third: \_\_\_\_\_

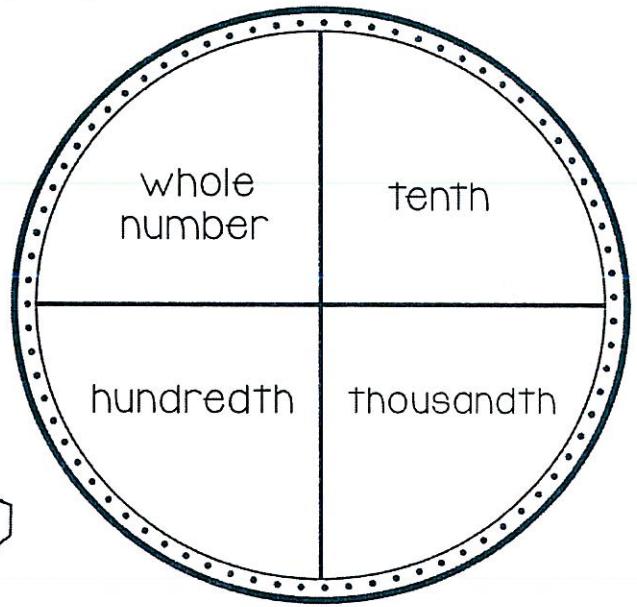
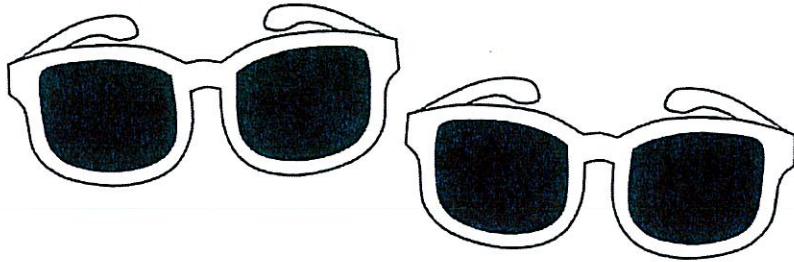


# Comparing Decimals Game

Materials: two game sheets, a pencil, a die, and a paperclip

Directions:

Roll a die and choose a space in which to write the digit you rolled. Then, your partner takes a turn. Continue until all spaces are filled. Next, use the spinner to determine to which place you need to round your numbers. Whoever has the larger number wins the round.

[illegible]