Name _____ Date _____

Find the Value

|		
1. Find the value of the underlined digit in the following number. 426,1**0**5 _____	2. Circle the number that shows 5 with the **greatest** value. 23,456 256,367 500,342 45,237	3. How many times **less** is the 6 in the tens place than the 6 in the thousands place? _____ 26,460
4. Circle the digit in the thousands place in the following number. 103,594	5. Find the value of the underlined digit in the following number. **1**0,478 _____	6. Circle the number that shows 7 with the **least** value. 70,593 39,207 47,406 63,735
7. How many times **greater** is the 2 in the thousands place than the 2 in the hundreds place? _____ 402,255	8. Circle the number that shows 4 with the **greatest** value. 18,642 304,562 743,620 98,104	
9. Find the value of the underlined digit in the following number. 7**3**9,485 _____	10. Circle the digit in the ten thousands place in the following number. 56,403	
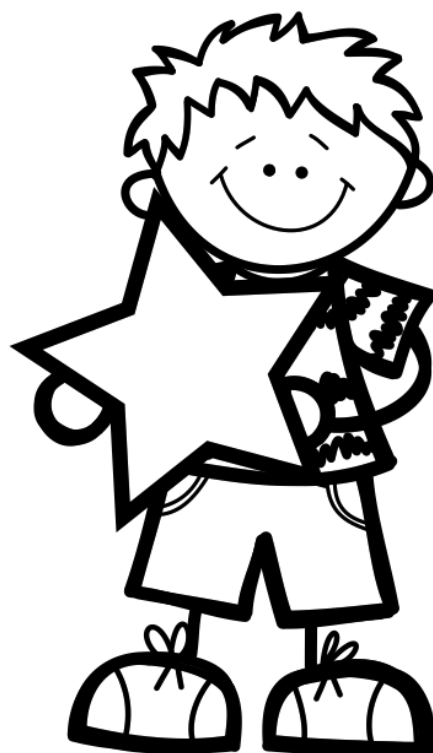
Name _____ Date _____

⭐ WRITING WHOLE NUMBERS ⭐

---

1. Write the following number in standard form.

   two thousand, three hundred ninety-one

   _____

2. Write the following number in word form.

   63,281

   _____

   _____

---

3. Write the following number in expanded form.

   52,473

   _____

---

4. What number does the following represent?

   400,000 + 20,000 + 6,000 + 800 + 5

5. What number does the following represent?

   700,000 + 10,000 + 5,000 + 300 + 40 + 4

---

6. Circle the number with a digit in the ten thousands place that is less than 5.

   77,872   152,326   220,154   89,392

---

7. Write a number with a digit in the **thousands** place <u>less than 4</u> and a digit in the **hundred thousands** place <u>greater than 5</u>.

   _____

8. Write a number with a digit in the **hundreds** place <u>greater than 6</u> and a digit in the **ten thousands** place <u>less than 3</u>.

   _____

Name _____ Date _____

Rounding Numbers

1.
Round the following number to the nearest 10.

3,467

_____

2.
Round the following number to the nearest 100.

52,329

_____

3.
Round the following number to the nearest 1,000.

64,580
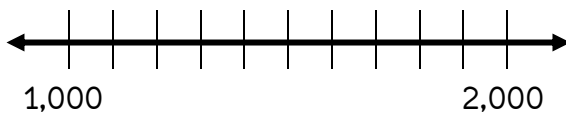
_____

4.
Round the following number to the nearest 10,000.

572,613

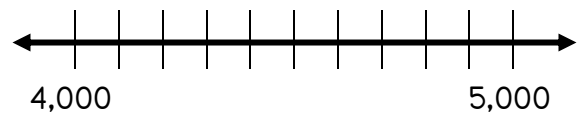_____

5.
Round the following number to the nearest 100,000.

132,045

_____

5 or more, raise the score

4 or less, let it rest

6. Place 1,400 on the number line below.

1,000   2,000

8. Place 4,500 on the number line below.

4,000   5,000

7. Round 1,400 to the nearest thousand.

_____

9. Round 4,500 to the nearest thousand.

_____

10. Round the following number to the nearest 10, 100, 1,000 and 10,000.

24,675

Nearest 10 _____   Nearest 100 _____   Nearest 1,000 _____   Nearest 10,000 _____

Name _____ Date _____

add & subtract
whole numbers

1. Find the sum. 2,465 + 7,386	2. Find the difference. 5,305 − 2,622	3. Find the missing number. 4,518 + _____ 5,166
4. Find the missing number. 6,241 − _____ 4,881	5. Find the sum. 2,295 + 3,874	6. Find the difference. 8,006 − 2,380

7. The chart shows the weight of animals at the zoo. Which two animals have a <u>difference</u> in weight that is greater than 1,000 pounds?

<u>Animal</u>	<u>Weight</u>
Giraffe	1,800 lbs.
Polar Bear	2,200 lbs.
Tiger	1,000 lbs.

_____

8. A school cafeteria purchased 256 hotdogs, 332 apples, and 154 cookies. How many items did they purchase <u>in all</u>?

9. Katie solve the problem below, but the answer is incorrect. What did she do wrong?

8,364
+ 5,892
13,156

Name _____ Date _____

Multiplying
whole numbers

1. Find the product.

$$37 \times 15$$

2. Solve the following problem using partial products.

×	30	6
5		

$5 \times 36 =$ _____

3. What equation is shown by the following breaking apart method?

$100 \times 2 = 200$
$20 \times 2 = 40$
$2 \times 2 = 4$

Use this space to show your work. Number your problems & circle your answer.

4. Max bought 5 boxes of cleaning wipes for his classroom. Each box cost $2.50. How much did he spend?

_____

5. Julie has 20 times as many bouncy balls as her brother. Her brother has 4. How many bouncy balls does Julie have?

_____

6. A theater has 60 rows of seats. Each row has 42 seats. How many seats are in the theater?

_____

Use this space to show your work. Number your problems & circle your answer.

Name _____   Date _____

DiViDing
WHOLE NUMBERS
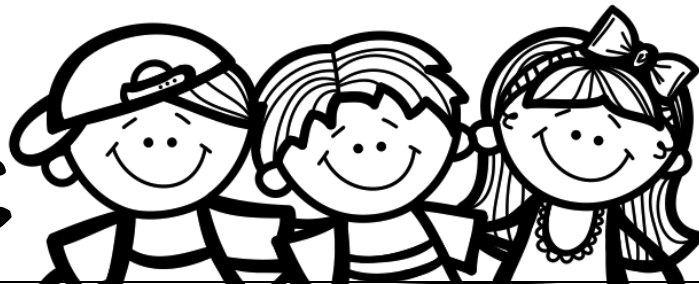
1. Find the quotient. Circle your answer. **315 ÷ 9**	2. Find the quotient. Circle your answer. **2,225 ÷ 5**	3. Find the quotient. Circle your answer. **748 ÷ 7**
4. Find the quotient. Circle your answer. **5,887 ÷ 3**	5. Use multiplication to check the answer. Decide if it is **correct** or **incorrect**. **547 ÷ 6 = 91 r 1** ___Correct ___Incorrect	6. Use multiplication to check the answer. Decide if it is **correct** or **incorrect**. **763 ÷ 4 = 190 r 2** ___Correct ___Incorrect
7. The circus sold 1,624 tickets for their upcoming event. They divided the arena into 8 equal sections. How many people were seated in each section? _____	8. Allie has 123 oranges to put in 11 baskets. If she evenly divides the oranges among the 11 baskets, how many oranges will be left over? _____	9. A summer camp needed 1,148 popsicles. Boxes of popsicles were sold with 8 in each. How many boxes did they have to buy to have enough popsicles? How many were left over? _____

Name _____ Date _____

Multiplication Equations

1. Jake is 9 years old. His dad is 4 times older. How old is Jake's dad?

_____

2. Laci made 6 quarts of lemonade. Sara made 3 times as many quarts as Laci. How many quarts did Sara make?

_____

3. Chad ran 5 miles. Sam ran 3 times as many miles as Chad. How many miles did Sam run?

_____

4. Write a multiplication equation to match the statement.

18 pounds is 9 times as heavy as 2

_____

5. Write a multiplication equation to match the statement.

56 apples is 8 times as many as 7

_____

6. Write a multiplication equation to match the statement.

22 days is 11 times longer than 2 days

_____

The chart below shows how much food farm animals eat each day. Fill in the blanks to make the statements true.

animal	horse	cow	goat	chicken
pounds of food	20 lbs.	16 lbs.	8 lbs.	2 lbs.

7. A horse eats _____ times as much as a chicken.

8. A cow eats _____ times as much as goat.

9. A goat eats _____ times as much as a chicken.

Name _____ Date _____

Comparisons
Using Multiplication & Division

1. There were 40 adults in line at a movie theater. That is 5 times the number of children in line. How many children were in line?	2. This month Tania saved 6 times as much money as last month. Last month she saved $24. How much did Tania save this month?	3. Jessie has 25 small boxes to put his rock collection in. He sorts 20 rocks into each box. How many rocks does he have in his collection?
4. A store has 152 bottles of water. This is 2 times the number of sodas they have. How many sodas does the store have?	5. There are 60 minutes in 1 hour. How many minutes are there in 48 hours?	6. Tony has 4 balloons. Max has 3 times as many as Tony, and Brian has half as many as Max. How many balloons do Max and Tony have?
7. At a carnival they sold 64 hotdogs on Friday. They sold 3 times as many hotdogs on Saturday. How many hotdogs did they sale on Saturday?	8. A pet store sold 21 kittens and 7 birds. How many times more kittens did they sale than birds?	9. A touring bus can hold 64 people. If there are 3 touring buses, how many people can ride?
10. A water park sold 12 adult tickets and 60 children's tickets. How many times more children's tickets were sold than adult tickets?	11. Trevor mows 5 times as many lawns in the summer as he does in the fall. If he mows 20 lawns in the summer, how many does he mow in the fall?	12. A moving truck is 2 times as heavy as a car. A car weighs 2,500 pounds. How much does the moving truck weigh?

Name _____ Date _____
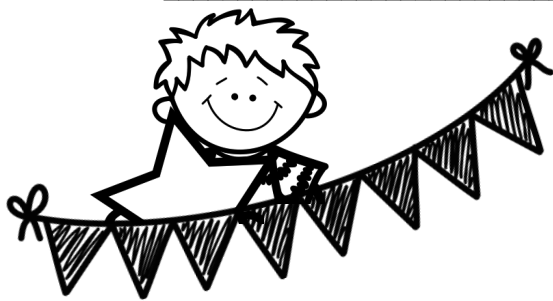
MULTI-STEP
Word Problems

1. Sara had 118 pieces of candy. She kept 10 for herself and share the rest evenly among her 12 friends. How many pieces of candy did each friend get?	2. Cassie's mom bought 12 boxes of Kool-Aid for a party. Seven of the boxes had 9 packets of Kool-Aid and the other 5 boxes had 10 packets. How many packets of Kool-Aid did Cassie's mom buy?	3. John had $84 to spend on back to school clothes. He bought a shirt for $18, a pair of shoes for $32, and a pair of jeans for $25. How much money did he have left?
4. Mrs. Smith made 4 trays of cupcakes with 48 on each tray. She divided the cupcakes evenly into 12 containers. How many cupcakes were in each container?	5. Jenny went to the market. She spent $25 dollars on fruit, $18 on vegetables, and $10 on flowers. After her purchases, she had $102 left. How much money did she have before she went to the market?	6. Sam's favorite movies are on sale for $5 each. He has $32 in his wallet, but needs to save $6 for lunch. How many movies can he buy?
7. Mr. Mash had $58 dollars to give to his children. He kept $4 and then divided the rest evenly between his 3 children. How much money did each child get?	8. Matt charged $10 to wash cars. He earned $120 on Friday. On Saturday he earned $20 more than he did on Friday. How many cars did Matt wash on Friday and Saturday?	9. On a Friday afternoon, an ice cream shop sold 24 strawberry cones, 18 chocolate cones, and 12 vanilla cones. If the 2 workers made an equal number of ice cream cones, how many cones did each worker make?

Name _____ Date _____

Factors and Multiples

1. What are the first 5 multiples of 3?	2. What are the first 5 multiples of 9?	3. What are the first 5 multiples of 4?
4. List the factors of 12.	5. List the factors of 21.	6. List the factors of 36.
7. 5, 10, 15, 20... is an example of skip counting, therefore these numbers are called _____ of 5.	8. 7 divides evenly into 14, therefore 7 is a _____ of 14.	9. True or False? 1, 2, 3, 6, 9 and 18 are all factors of 18.
10. List the first 5 multiples of 3 and 6. Circle the least common multiple. 3: _____ 6: _____	11. List the first 5 multiples of 4 and 5. Circle the least common multiple. 4: _____ 5: _____	12. List the first 5 multiples of 8 and 12. Circle the least common multiple. 8: _____ 12: _____

Know the difference!

Factors: Finding all the numbers that divide evenly into a number.

Multiples: Skip counting by a number.

Name _____ Date _____

Prime and Composite

A **PRIME** number is a number that has ONLY 2 factors. 1 and itself.

vs.

A **COMPOSITE** number is a number that has more than 2 factors.

1.
Number	5
Factors	
Prime or Composite?	

2.
Number	9
Factors	
Prime or Composite?	

3.
Number	12
Factors	
Prime or Composite?	

4. Write all of the multiplication facts for the number. Is it prime or composite? 19	5. Write all of the multiplication facts for the number. Is it prime or composite? 24
6. Write all of the multiplication facts for the number. Is it prime or composite? 36	7. Write all of the multiplication facts for the number. Is it prime or composite? 3

Name _____ Date _____

Equivalent fractions

1. Identify the fraction shown in the model. Then multiply the numerator and denominator by **2** to find an equivalent fraction. ___ = ___	2. Identify the fraction shown in the model. Then divide the numerator and denominator by **3** to find an equivalent fraction. ___ = ___	3. Identify the fraction shown in the model. Then multiply or divide to find an equivalent fraction. ___ = ___
4. Place the fraction $\frac{2}{6}$ on the number line below. 0 ⟷ 1 Now write an equivalent fraction. $\frac{2}{6} = $ ___	5. Place the fraction $\frac{4}{8}$ on the number line below. 0 ⟷ 1 Now write an equivalent fraction. $\frac{4}{8} = $ ___	6. Place the fraction $\frac{3}{5}$ on the number line below. 0 ⟷ 1 Now write an equivalent fraction. $\frac{3}{5} = $ ___
7. Find the missing number in the equivalent fractions below. $\frac{4}{16} = \frac{1}{}$	8. Find the missing number in the equivalent fractions below. $\frac{2}{3} = \frac{4}{}$	9. Find the missing number in the equivalent fractions below. $\frac{4}{12} = \frac{1}{}$
10. Color $\frac{3}{4}$ of the shape below. Then write an equivalent fraction. $\frac{3}{4} = \frac{}{8}$	11. Color $\frac{2}{3}$ of the shape below. Then write an equivalent fraction. $\frac{2}{3} = \frac{}{6}$	12. Color $\frac{1}{4}$ of the shape below. Then write an equivalent fraction. $\frac{1}{4} = \frac{}{12}$
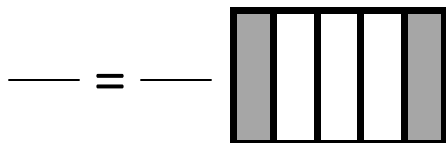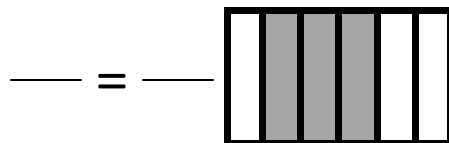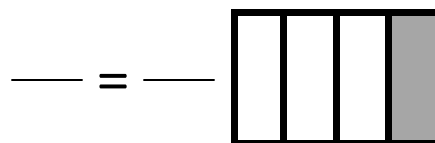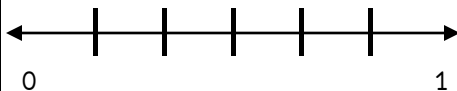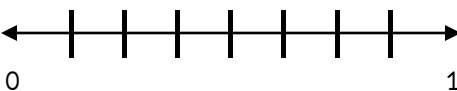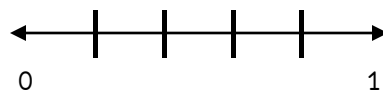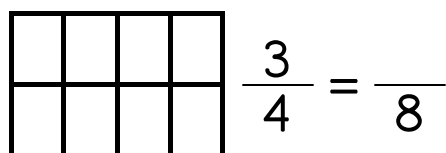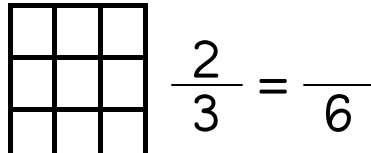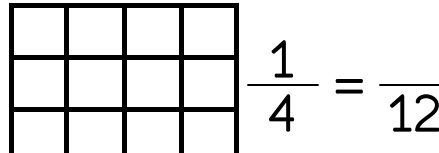
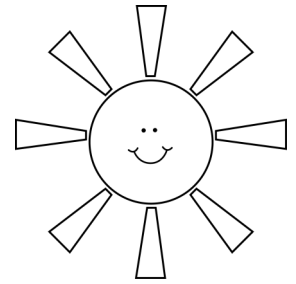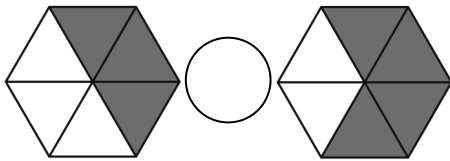Name _____ Date _____
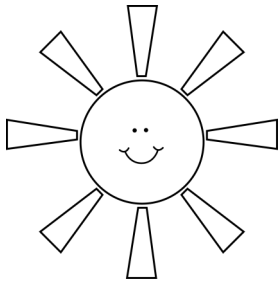
Comparing
fractions

1. Fill in the circle with:	2. Fill in the circle with:	3. Fill in the circle with:
<, > or =	<, > or =	<, > or =
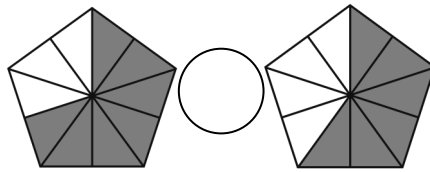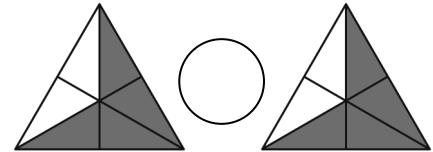
4. Fill in the circle with:	5. Fill in the circle with:	6. Fill in the circle with:
<, > or =	<, > or =	<, > or =
$\dfrac{1}{2} \bigcirc \dfrac{2}{3}$	$\dfrac{6}{8} \bigcirc \dfrac{3}{4}$	$\dfrac{4}{5} \bigcirc \dfrac{4}{6}$

7. Circle the largest fraction.	8. Circle the largest fraction.	9. Circle the largest fraction.
$\dfrac{1}{8} \quad \dfrac{3}{4} \quad \dfrac{2}{6}$	$\dfrac{4}{5} \quad \dfrac{1}{2} \quad \dfrac{2}{3}$	$\dfrac{3}{6} \quad \dfrac{5}{8} \quad \dfrac{1}{4}$

10. Write **TRUE** or **FALSE** beside each comparison below.	11. Write **TRUE** or **FALSE** beside each comparison below.	12. Write **TRUE** or **FALSE** beside each comparison below.
$\dfrac{3}{10} > \dfrac{3}{4}$ _____	$\dfrac{4}{8} = \dfrac{2}{4}$ _____	$\dfrac{3}{8} > \dfrac{4}{10}$ _____
$\dfrac{4}{6} = \dfrac{2}{3}$ _____	$\dfrac{5}{8} < \dfrac{1}{2}$ _____	$\dfrac{2}{3} < \dfrac{1}{5}$ _____
$\dfrac{5}{12} < \dfrac{6}{10}$ _____	$\dfrac{8}{10} > \dfrac{5}{6}$ _____	$\dfrac{6}{8} = \dfrac{3}{4}$ _____

14.

Name _____ Date _____

aDDiNG & SUBtracTiNG
fractions

1. Find the difference. Show your answer in simplest form. $\frac{7}{8} - \frac{3}{8} =$ _____	2. Find the difference. Show your answer in simplest form. $\frac{8}{10} - \frac{2}{10} =$ _____	3. Find the difference. Show your answer in simplest form. $\frac{6}{12} - \frac{4}{12} =$_____
4. Find the sum. Show your answer in simplest form. $\frac{2}{3} + \frac{1}{3} =$ _____	5. Find the sum. Show your answer in simplest form. $\frac{3}{6} + \frac{1}{6} =$ _____	6. Find the sum. Show your answer in simplest form. $\frac{5}{14} + \frac{3}{14} =$_____
7. Decompose the fraction below. $\frac{3}{8}$ ___ + ___ + ___ = $\frac{3}{8}$	8. Decompose the fraction below. $\frac{4}{5}$ ___ + ___ + ___ + ___ = $\frac{4}{5}$	9. Decompose the fraction below. $\frac{2}{3}$ ___ + ___ = $\frac{2}{3}$

10. Write the improper fraction as a mixed number. $\frac{9}{4}$	11. Write the improper fraction as a mixed number. $\frac{7}{5}$	12. Write the mixed number as an improper fraction. $5\frac{1}{3}$	13. Write the mixed number as an improper fraction. $2\frac{4}{9}$

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15.

Name _____ Date _____

MULTIPLYING
fractions

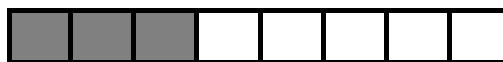1. Circle the answer the correctly shows the area model below.

$2 \times \frac{1}{4}$ $1 \times \frac{1}{4}$ $2 \times \frac{2}{4}$ $2 \times \frac{4}{4}$

2. Circle the answer the correctly shows the area model below.

$1 \times \frac{1}{8}$ $3 \times \frac{8}{8}$ $3 \times \frac{1}{8}$ $1 \times \frac{3}{8}$

Solve the following problems. Show your answer in simplest form.

3. $3 \times \frac{1}{5} =$ _____

4. $2 \times \frac{2}{6} =$ _____

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

6. $3 \times \frac{2}{10} =$ _____

Change the mixed numbers to improper fractions.

7. $3\frac{2}{8} =$ _____

8. $4\frac{1}{10} =$ _____

9. $2\frac{4}{8} =$ _____

10. $5\frac{2}{9} =$ _____

---

11. A cake recipe calls for $\frac{3}{4}$ cup of flour. If Mrs. Smith made 4 cakes for the summer bake sale, how much flour did she use?

_____

12. Jake trains for an upcoming marathon with his dad. He runs $\frac{5}{6}$ of a mile each day. How many miles has he ran after 4 days?

_____

13. Debi needed $\frac{2}{3}$ cup of water for each flower. She had 8 flowers to water. How much water did she use?

_____

14. Amy and 7 of her friends each purchase $\frac{4}{5}$ pound of candy. How much candy did Amy and her friends purchase?

_____

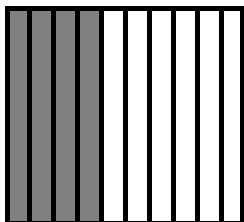Name _____ Date _____

Fraction Models
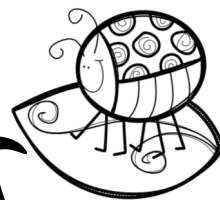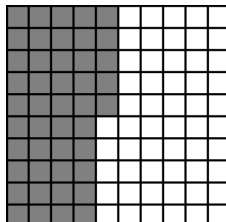
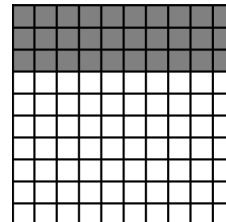1. Write a decimal and fraction to represent the shaded part of the model below.

Decimal: _____

Fraction: _____

2. Write a decimal and fraction to represent the shaded part of the model below.
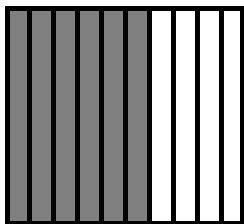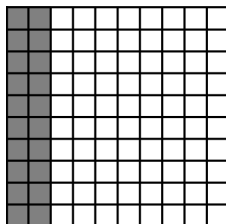
Decimal: _____

Fraction: _____

3. Write a decimal and fraction to represent the shaded part of the model below.

Decimal: _____

Fraction: _____

4. This model shows 6/10. If the model was divided into 100 equal parts. How many parts would be shaded?

_____

5. This model shows 20/100. If the model was divided into 10 equal parts. How many parts would be shaded?

_____

6. A paper clip weighs 3/100 of an ounce, a centimeter cube weighs 1/10 of an ounce, a magnet weights 8/10, and an eraser weighs 12/100 of an ounce?

Which weighs more?

_____

7. Find an equivalent fraction for 5/10 with a denominator of 100.

_____

8. Find an equivalent fraction for 70/100 with a denominator of 10.

_____

9. Find an equivalent fraction for 9/10 with a denominator of 100.

_____

Name _____ Date _____

FRACTIONS
& decimals

1. Represent the following fraction as a decimal. $\dfrac{2}{10}$ _____	2. Represent the following fraction as a decimal. $\dfrac{8}{100}$ _____	3. Represent the following fraction as a decimal. $\dfrac{40}{100}$ _____
4. Represent the following decimal as a fraction. 0.5 _____	5. Represent the following decimal as a fraction. 0.22 _____	6. Represent the following decimal as a fraction. 0.73 _____
7. Represent the following decimal in word form. 0.8 _____	8. Represent the following decimal in word form. 0.30 _____	9. Represent the following decimal in word form. 0.6

10. Circle the letter on the number line that best represents $\dfrac{86}{100}$.

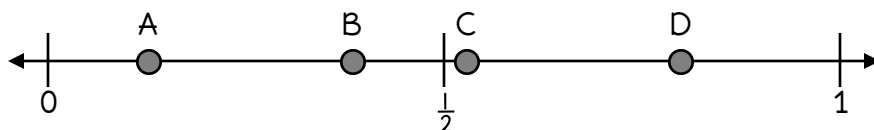A   B C   D
0              $\frac{1}{2}$ 1
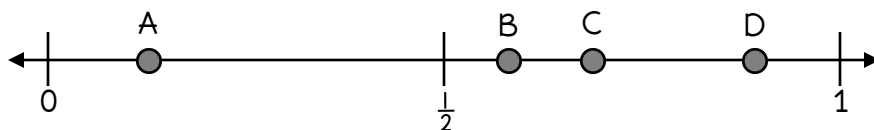
11. Represent the following fraction in word form. $\dfrac{3}{10}$

_____

12. Circle the letter on the number line that best represents $\dfrac{4}{10}$.

A   B   C   D
0              $\frac{1}{2}$ 1

13. Represent the following fraction in word form. $\dfrac{52}{100}$

_____
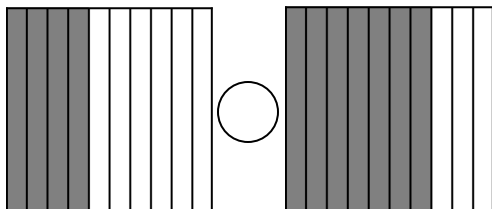
Name _____ Date _____

COMPARING Decimals
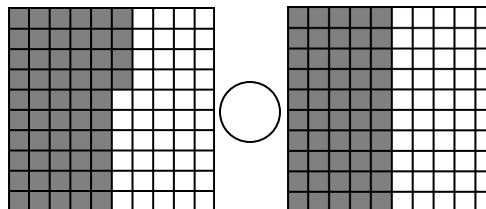
Write the decimal shown in each model below. Then, compare the models below using <, > or =.

1. ⬜⬜⬜ ◯ ⬜⬜⬜

    _____   _____

2. ▦▦ ◯ ▦▦

    _____   _____

---

3. Circle the expressions that show a correct comparison of decimals.

   0.3 < 0.9

   0.45 > 0.65

   0.32 > 0.30

   0.1 > 0.10

4. Compare the decimals below using <,> or =.

   0.84 ◯ 0.80

   0.4 ◯ 0.7

   0.42 ◯ 0.42

5. Compare the decimals below using <,> or =.

   0.2 ◯ 0.20

   0.64 ◯ 0.6

   0.3 ◯ 0.32

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6. A decimal is modeled by the shaded part on the grid below. Write a sentence correctly comparing this decimal to $\frac{2}{10}$.

   _____
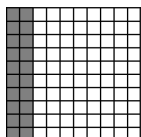
7. A decimal is modeled by the shaded part on the grid below. Write a sentence correctly comparing this decimal to $\frac{50}{100}$.
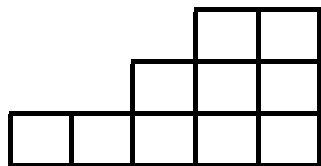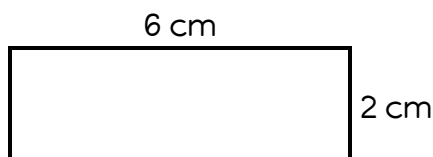
   _____
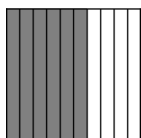
Name _____ Date _____

Area ⬚⬚⬚⬚⬚⬚⬚⬚⬚⬚
& Perimeter

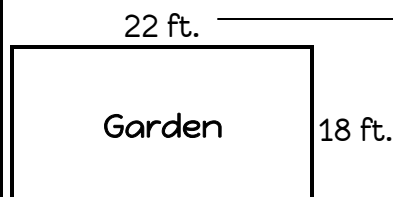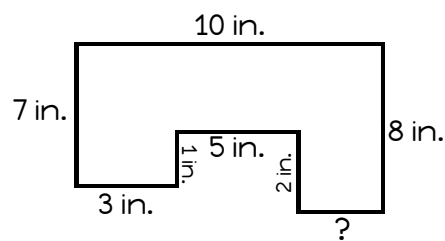|		
1. Determine the square units of the figure below. _____	2. Determine the area for the rectangle below. 6 cm [rectangle] 2 cm _____	3. Determine the perimeter for the rectangle below. 5 in. [rectangle] 4 in. _____
4. Mr. Michael has a dog pen with an area of 120 sq. feet. The length of his dog pen is 12 feet. What is its width? _____ 12 ft. [A = 120 sq. ft.] ?	5. Lani's mom wants to put a fence around her garden. How many feet of fencing will she need? 22 ft. [Garden] 18 ft.	6. What is the perimeter of the figure below? 10 in. 7 in. [figure] 8 in. 3 in. 5 in. 2 in. ? _____
7. A library added a new outdoor reading section that was 24 feet by 16 feet What was the area? _____	8. An island in the Atlantic Ocean is 10 miles wide by 6 miles long. What is the perimeter of the island? _____	9. A kiddie pool has the perimeter of 36 meters. The length of one side is 10 meters. What is the width of the pool? _____
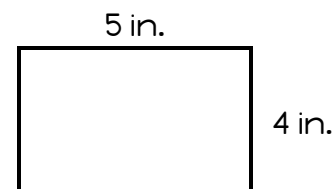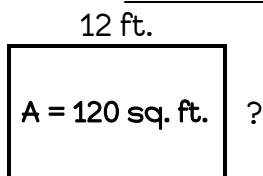
Name _____ Date _____

LINE Plots
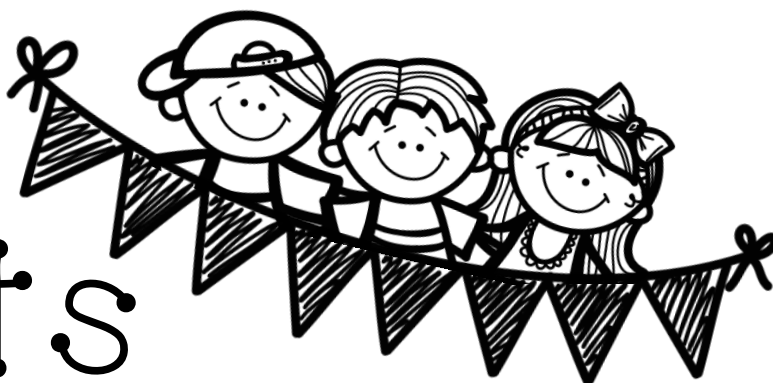
1. Students measured objects and displayed their data on the line plot below. If you put all of the objects together end-to-end, what would be the total length of the objects?

$\times$ over $\frac{1}{6}$, $\times$ over $\frac{3}{6}$, $\times\times$ over $\frac{4}{6}$

inches

_____
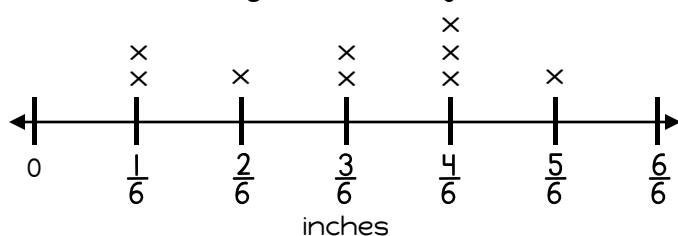
2. Some students in Mrs. Ashley's class had a jumping contest to see who could jump the furthest. What is the difference between the longest and shortest jump.

feet

_____
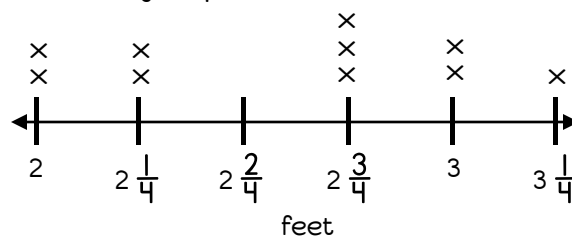
3. How many miles did Max ride his bicycle on Day 5? Each x represents 3 miles.

days

_____
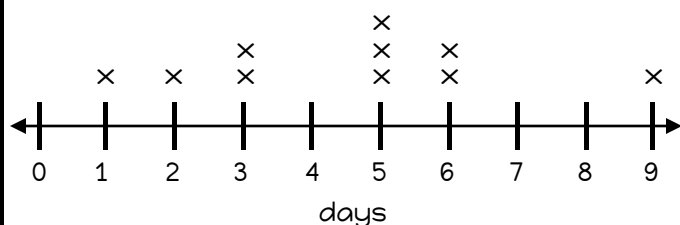
4. Nine friends measured their pinky size to the nearest $\frac{1}{4}$ inch. What is the combined length of the longest and shortest finger?

inches

_____
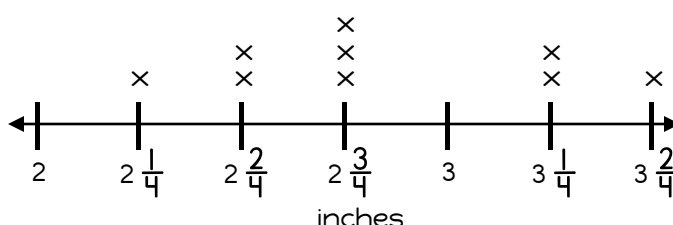
5. Mr. Farley recorded his students test scores on a Science test. On a separate piece of paper, create a line plot displaying the data below.

# of students	2	3	4	5	3
score	76	82	88	94	100

6. The table below shows the number of computers or laptops owned by ten different families. On a separate piece of paper, create a line plot displaying the data.

Number of Computers or Laptops									
3	2	4	1	5	3	1	2	3	3