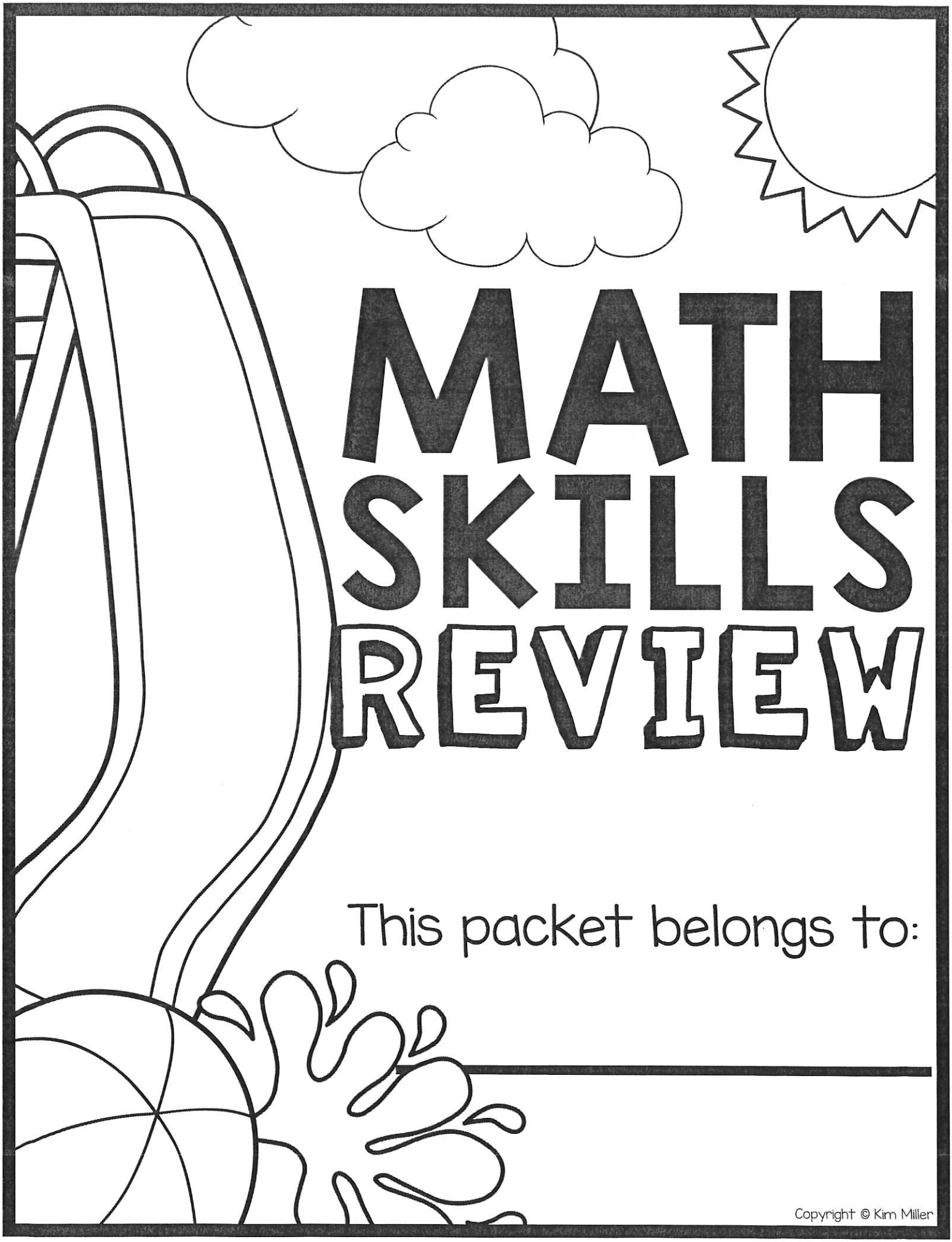
Dear Fifth Grade Class,

I am looking forward to working with you in the fall! Here is your summer reading and math packet. You will be reading the book "Frindle", written by Andrew Clements. In the story you will find out that words have power. Much of the action in Frindle occurs at Lincoln Elementary School. The fifth grade has about 150 students. Enjoy the book and please fill out the packet that goes with it.

The math packet contains some of the math curriculum that we will be covering throughout the school year. Try your best to complete the pages and if you have any questions please write them down next to the problems.

Be safe and enjoy your summer break! See you in September!

Have fun!
Mrs. Elia Intrabartolo



Name _____ Date _____

Find the Value

1. Find the value of the underlined digit in the following number.

   42<u>6</u>,105

   _____

2. Circle the number that shows 5 with the **<u>greatest</u>** value.

   23,456 256,367

   500,342 45,237

3. How many times **<u>less</u>** 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.

   <u>1</u>0,478

   _____

6. Circle the number that shows 7 with the **<u>least</u>** value.

   70,593 39,207

   47,406 63,735

7. How many times **<u>greater</u>** is the 2 in the thousands place than the 2 in the hundreds place?

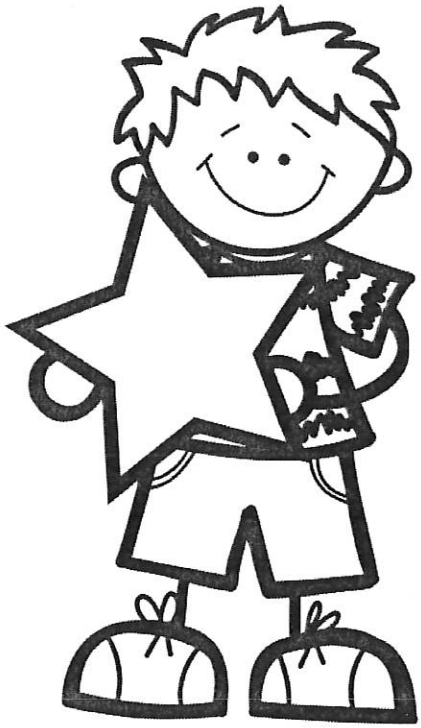
   _____

   402,255

8. Circle the number that shows 4 with the **<u>greatest</u>** value.

   18,642 304,562

   743,620 98,104



9. Find the value of the underlined digit in the following number.

   73<u>9</u>,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 less than 4 and a digit in the **hundred thousands** place greater than 5.

_____

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

_____

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

_____

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

7. Round 1,400 to the nearest thousand.

_____

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

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 _____

Multiplying whole numbers

1. Find the product.

$$\begin{array}{r} 37 \\ \times\ 15 \\ \hline \end{array}$$

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?

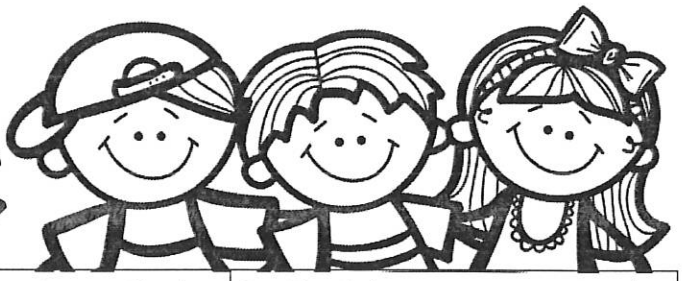
6. A theater has 60 rows of seats. Each row has 42 seats. How many seats are in the theater?

_____

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 _____

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: _____

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

Know the difference!

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

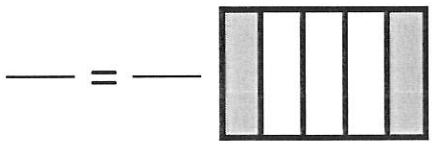
7. Write all of the multiplication facts for the number. Is it prime or composite?

3

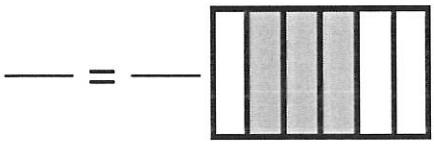
Name _____ Date _____

Equivalent fractions

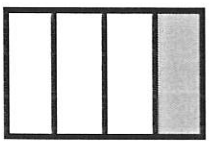
1. Identify the fraction shown in the model. Then multiply the numerator and denominator by **2** to find an equivalent fraction.



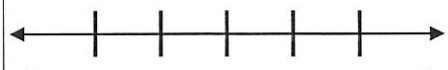
2. Identify the fraction shown in the model. Then divide the numerator and denominator by **3** to find an equivalent fraction.



3. Identify the fraction shown in the model. Then multiply or divide to find an equivalent fraction.



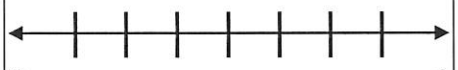
4. Place the fraction $\frac{2}{6}$ on the number line below.



Now write an equivalent fraction.

$\frac{2}{6} = \frac{\quad}{\quad}$

5. Place the fraction $\frac{4}{8}$ on the number line below.



Now write an equivalent fraction.

$\frac{4}{8} = \frac{\quad}{\quad}$

6. Place the fraction $\frac{3}{5}$ on the number line below.

Now write an equivalent fraction.

$\frac{3}{5} = \frac{\quad}{\quad}$

7. Find the missing number in the equivalent fractions below.

$\frac{4}{16} = \frac{1}{\quad}$

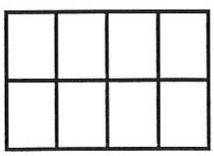
8. Find the missing number in the equivalent fractions below.

$\frac{2}{3} = \frac{4}{\quad}$

9. Find the missing number in the equivalent fractions below.

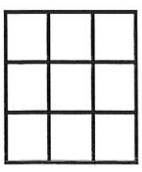
$\frac{4}{12} = \frac{1}{\quad}$

10. Color $\frac{3}{4}$ of the shape below. Then write an equivalent fraction.



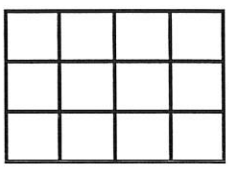
$\frac{3}{4} = \frac{\quad}{8}$

11. Color $\frac{2}{3}$ of the shape below. Then write an equivalent fraction.



$\frac{2}{3} = \frac{\quad}{6}$

12. Color $\frac{1}{4}$ of the shape below. Then write an equivalent fraction.

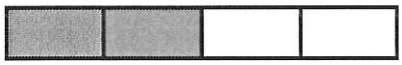


$\frac{1}{4} = \frac{\quad}{12}$

Name _____ Date _____

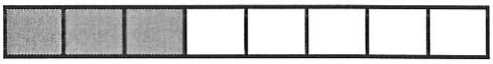
MULTIPLYING fractions

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?

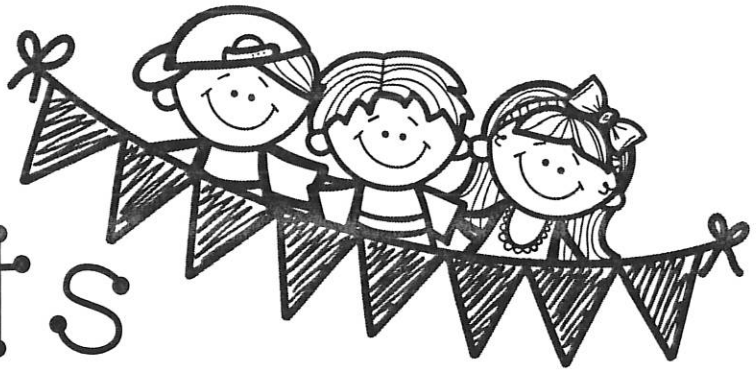
_____

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

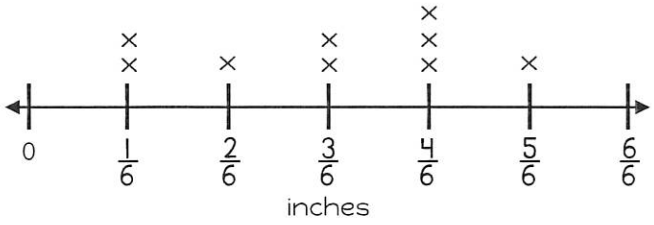
_____

Name _____ Date _____

LINE Plots

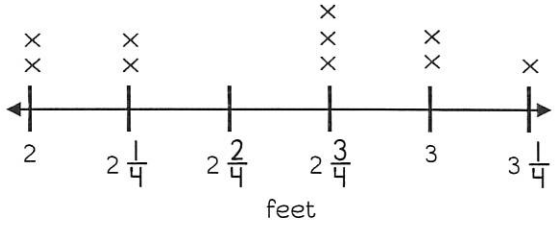


1. Students measured objects and displayed their data on the line plot below. If you put all of the objects together end-to-end, what would be the total length of the objects?



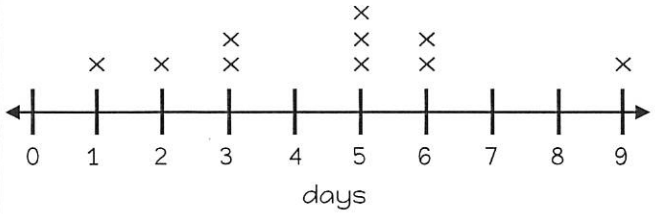
_____

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.



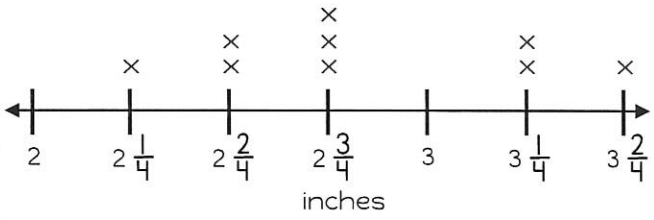
_____

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



_____

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?



_____

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

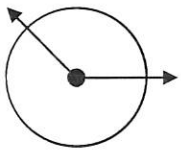
6. The table below shows the number of computers or laptops owned by ten different families. On a separate piece of paper, create a line plot displaying the data.

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

Name _____ Date _____

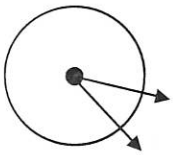
MEASURING Angles

1. Based on the circular angle below. What is the best measurement for the angle?



a. less than 90°
b. more than 90°
c. more than 180°
d. less than 60°

2. Based on the circular angle below. What is the best measurement for the angle?



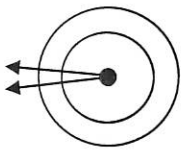
a. less than 90°
b. more than 90°
c. more than 70°
d. less than 120°

3. Calculate the value of Molly's name if an acute angle is worth 5 points, a right angle is worth 7 points, and an obtuse angle is worth 9 points.

MOLLY

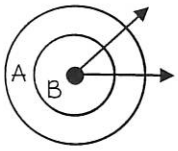
_____

4. If the angle below rotates 25° at each interval, how many times would it need to rotate to cover 180°?



_____

5. If the angle moves 2° each second which circle would it take longer to travel around?

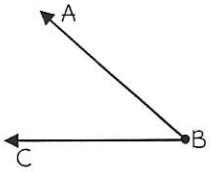


_____

6. The clock shows an angle made by the hour and minute hands. Describe the best measurement for the angle.

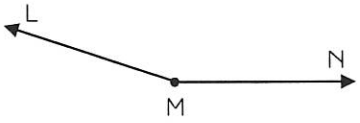
_____

7. Which choice best represents angle ∠ABC?



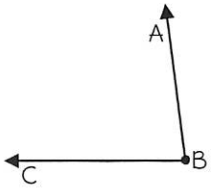
a. 90°
b. 130°
c. 45°
d. 110°

8. Which choice best represents angle ∠LMN?



a. 20°
b. 160°
c. 65°
d. 120°

9. Which choice best represents angle ∠LMN?



a. 45°
b. 105°
c. 90°
d. 85°