

Hello Parents,

3/16/20

The 5th grade team hopes that you will stay safe and healthy over the next two weeks. We have included a learning packet that will help your child practice reading and math skills at home. We have included enough content for the next two weeks while you are at home.

Here is a list of online educational resources you can use at home with your child:

- Khan Academy
- Prodigy Game
- Vocabulary.com
- Your classroom's Google Classroom assignments
- Epic
- [scholastic.com/sn5/6](https://www.scholastic.com/sn5/6)
- tinyurl.com/DigitalAtHome
- tinyurl.com/CPSESEnrichment

Please return this packet when your child returns to school. Email your teachers if you have further questions.

Sincerely,

The 5th Grade Team

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Ms. Romano
nsromano@cps.edu

Estimados Padres,

3/16/20

El equipo de 5to grado espera que se mantenga seguro y saludable durante las próximas dos semanas. Hemos incluido un paquete de aprendizaje que ayudará a su hijo a practicar las habilidades de lectura y matemáticas en casa. Hemos incluido suficiente contenido para las próximas dos semanas mientras.

Aquí hay una lista de recursos educativos en línea que puede usar en casa con su hijo:

- Khan Academy
- Juego prodigio
- Vocabulary.com
- Las tareas de Google Classroom de tu aula
- Epic
- [scholastic.com/sn5/6](https://www.scholastic.com/sn5/6)
- tinyurl.com/DigitalAtHome
- tinyurl.com/CPSESEnrichment

Por favor devuelva este paquete cuando su hijo regrese a la escuela. Puede enviar un correo electrónico a sus maestros si tiene más preguntas.

Sinceramente,
El equipo de 5to grado

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READING CHALLENGES & TRACKER

HOW TO COMPLETE THE CHALLENGES & TRACKER

STEP 1: Choose a book to read each day.

STEP 2: Read for at least 20 minutes.

STEP 3: Review the reading response challenges on the Reading Response Choice Board. Choose a reading response that you can complete in a detailed manner.

STEP 4: Complete the challenge that you chose on a piece of paper.

- Write a lot.
- Provide textual evidence from your reading.
- Include direct quotations.
- Show quality effort.

STEP 5: Re-read your response.

- Make corrections
- Extend your responses

STEP 6: Fill in the Reading Tracker.

Write each response on a piece of lined paper.
Set up a heading at the top of your paper when you write your response. Include:

- Your NAME
- The PAGES you READ
- The CHALLENGE you are responding to. Write the number of the challenge.

EXAMPLE PAGE SET-UP

Sarah Michaels
Pages Read: 16-39
Challenge #3

(Detailed response is written below the heading.)

Name _____

Reading Challenge # _____

	0	1	2
Personal Reactions to the Text	Gives a response without explanation. Reactions may be superficial, mere summaries, or vague.	Reactions are supported by examples from the text, but provide little detail.	Multiple reactions to the text are supported by many details and examples.
Task Fulfillment	None of the tasks for this reading challenge were completed.	Some of the tasks for this reading challenge were completed.	All of the tasks for this reading challenge were completed.
Originality	The assignment does not demonstrate any originality.	Some original ideas are evident in the assignment.	The assignment showcases exceptional originality and creativity.
Work Quality & Effort	Poor work quality or effort.	Work quality and effort is mediocre.	Extraordinary work quality and effort demonstrated.
Mechanics, Usage, and Grammar	4+ mistakes in mechanics, usage, and/or grammar	1-3 mistakes in mechanics, usage, and/or grammar.	No mistakes in mechanics, usage, and grammar.

Total _____ / 10

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Name _____

Reading Challenge # _____

	0	1	2
Personal Reactions to the Text	Gives a response without explanation. Reactions may be superficial, mere summaries, or vague.	Reactions are supported by examples from the text, but provide little detail.	Multiple reactions to the text are supported by many details and examples.
Task Fulfillment	None of the tasks for this reading challenge were completed.	Some of the tasks for this reading challenge were completed.	All of the tasks for this reading challenge were completed.
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Work Quality & Effort	Poor work quality or effort.	Work quality and effort is mediocre.	Extraordinary work quality and effort demonstrated.
Mechanics, Usage, and Grammar	4+ mistakes in mechanics, usage, and/or grammar	1-3 mistakes in mechanics, usage, and/or grammar.	No mistakes in mechanics, usage, and grammar.

Total _____ / 10

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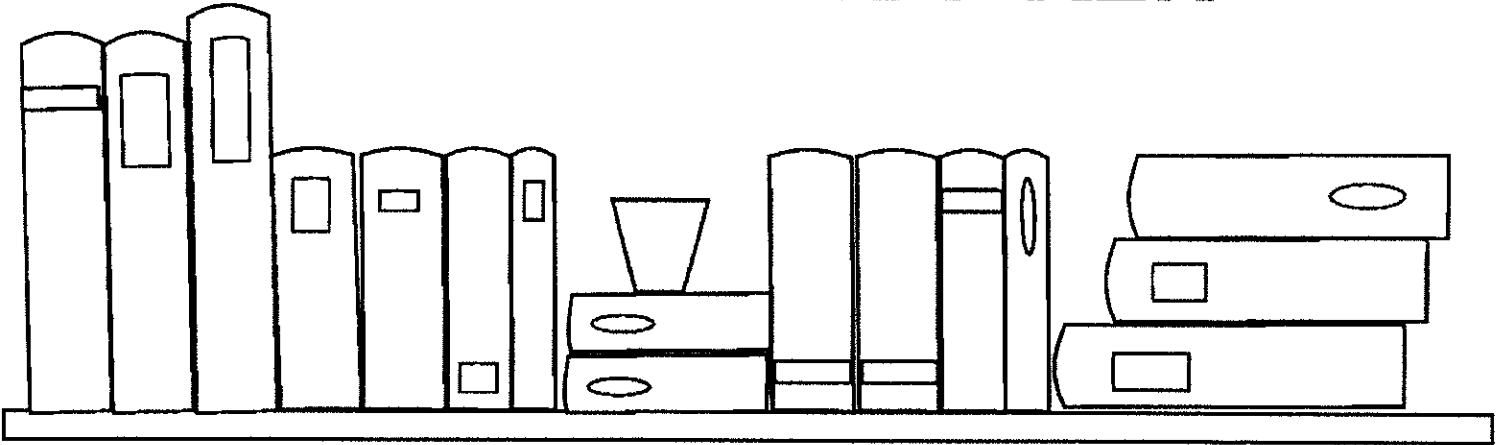
READING RESPONSE CHOICE BOARD

Select a reading challenge from the choices below. Be sure that you include textual details in your response.

<p>CHALLENGE #1</p> <p>Make PREDICTIONS. What do you think will happen next in the PLOT? Explain and support your predictions.</p>	<p>CHALLENGE #2</p> <p>Doodle SKETCHES of 4 important characters. Below each doodle write why the character is important.</p>	<p>CHALLENGE #3</p> <p>Give the book you are reading an AWARD (good or bad). Explain why the book deserves the award you created.</p>	<p>CHALLENGE #4</p> <p>Design a MOVIE POSTER for the book you are reading. Write 4+ sentences summarizing the book to accompany the poster.</p>
<p>CHALLENGE #5</p> <p>Write a pretend EMAIL to the author of the book. Share your thoughts on the story. Ask the author questions.</p>	<p>CHALLENGE #6</p> <p>Write about how this book relates to your OWN LIFE. Describe how the characters, settings, and plot connect to you.</p>	<p>CHALLENGE #7</p> <p>Write about a CHARACTER that you admire. What qualities do you admire? What makes the character special?</p>	<p>CHALLENGE #8</p> <p>Think of 3 REASONS why others should read this book. Write 2 sentences to support each of your reasons.</p>
<p>CHALLENGE #9</p> <p>Imagine that you have to give the main character a GIFT. Write about what you would give the main character and explain why.</p>	<p>CHALLENGE #10</p> <p>Draw a MEMORABLE scene from your reading. Write a summary of the scene under your sketch.</p>	<p>CHALLENGE #11</p> <p>Make a TOP 10 LIST of the best parts of the book so far.</p>	<p>CHALLENGE #12</p> <p>WRITE about the book you are reading. Incorporate the following words in your response: favorite, think, curious, happy.</p>
<p>CHALLENGE #13</p> <p>Write a LETTER to the protagonist in the book. The protagonist is often the story's hero. Share your reactions to his or her actions in the book.</p>	<p>CHALLENGE #14</p> <p>Write a NEWS ARTICLE about an important event in the book. Be sure to answer the questions WHO, WHAT, WHERE, WHEN, and WHY.</p>	<p>CHALLENGE #15</p> <p>Create a list of 5 LESSONS you have learned about life from this book. Connect the lessons to events in the book.</p>	<p>CHALLENGE #16</p> <p>Sketch a postcard from a SETTING in the book. Then, write a description of the setting and an explanation for its significance.</p>

NAME _____

READING TRACKER



After you read for 20 minutes, fill out the chart below.
Then, color in a book on the shelf to represent your work for the day.

How many pages did you read?	What is something interesting that happened in the book or story?	Which challenge did you complete?
_____ pages		Challenge # _____
_____ pages		Challenge # _____
_____ pages		Challenge # _____
_____ pages		Challenge # _____
_____ pages		Challenge # _____
_____ pages		Challenge # _____
_____ pages		Challenge # _____
_____ pages		Challenge # _____
_____ pages		Challenge # _____
_____ pages		Challenge # _____

WRITING PROMPTS

DIRECTIONS: Complete one task each day. Start with Task #1. Choose to complete the "This" or the "That" writing prompt. Write your response on a separate piece of paper.

TASK #1	 Imagine that you can trade places with a family member. Write about it.	 Imagine that you can trade places with a famous person. Write about it.	TASK #6	 Write a story that includes these 4 words: HAPPY - LAMP - RUN - BARN	 Write a story that includes these 4 words: SCARY - SHOE - LOST - CITY
TASK #2	 WRITE ABOUT A WONDERFUL DAY THAT ACTUALLY HAPPENED IN YOUR LIFE.	 WRITE ABOUT A WONDERFUL DAY THAT YOU WISH WOULD HAPPEN IN YOUR LIFE.	TASK #7	 Write a diary entry from the perspective of a GIANT .	 Write a diary entry from the perspective of an ELF .
TASK #3	 Imagine that you have the superpower to FLY . Write about your adventures.	 Imagine that you have the superpower to be INVISIBLE . Write about your adventures.	TASK #8	 Create a character. Start with this characteristic: HE HAS A MUSTACHE.	 Create a character. Start with this characteristic: HER HAIR REACHES THE FLOOR.
TASK #4	 Write a story that ends with this sentence: I knew Mr. Peters would save us. I couldn't wait to go there again!	 Write a story that ends with this sentence: I couldn't wait to go there again!	TASK #9	 Write about your favorite book of all time.	 Write about your favorite movie of all time.
TASK #5	 WRITE A COMMERCIAL FOR A NEW SPORTS CAR.	 WRITE A COMMERCIAL FOR A NEW TYPE OF CANDY.	TASK #10	 Write a response that supports this opinion: STUDENTS SHOULD BE PAID FOR GOOD GRADES.	 Write a response that supports this opinion: STUDENTS SHOULD GRADE THEIR TEACHERS.

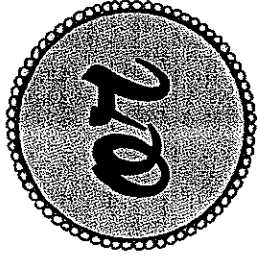
NAME _____

Writing PROMPT

Tinis



Describe an
ICE CREAM SHOP
using sensory details.



Tinis



Describe a
GARBAGE DUMP
using sensory details.

SEE	
SMELL	
HEAR	
TOUCH	
TASTE	

SEE	
SMELL	
HEAR	
TOUCH	
TASTE	



MORE TIME? Complete the other prompt for a BONUS!

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NAME _____

Writing PROMPT

Finis

Use the story starter to write a passage. Write sideways.



Handwriting practice lines for the 'Finis' prompt, consisting of ten horizontal lines.

or

Start

Use the story starter to write a passage. Write upside-down.



Handwriting practice lines for the 'Start' prompt, consisting of ten horizontal lines.



My day was off to an amazing start! _____

My day was off to a horrible start! _____



MORE TIME? Complete the other prompt for a BONUS!

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Fluttering through the Order of Operations

Name: _____ Date: _____

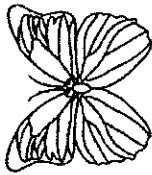
Directions: Solve each equation using the order of operations. Color the butterfly that matches the answer.

1. $145 - (3^2 \times 4) =$

64



544



109

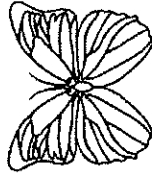


2. $45 \div 9 \times 12 - 8 =$

5



52



20

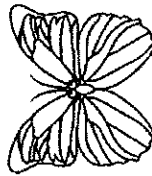


3. $2^2 + 3 \times 4 - 12 =$

4



8



16

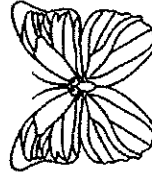


4. $[55 - (3 \times 9) \times 2] - 12 =$

229



56



89

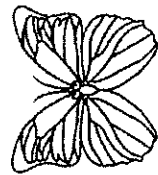


5. $[(6 \times 2) + (5 \times 5)] \times 3 =$

129



111



97

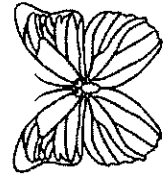


6. $2 \times \{[24 - (1.5 \times 2)]\} =$

67



51



72

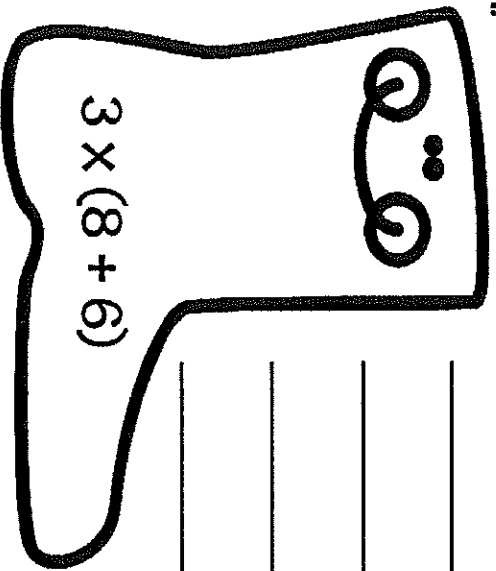


Rainy Day EXPRESSIONS

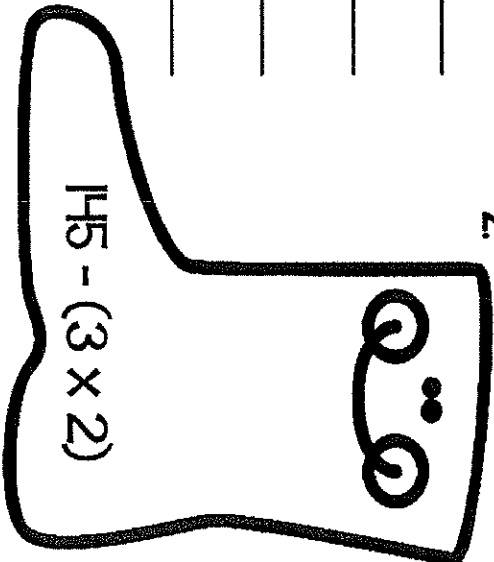
Name: _____ Date: _____

Directions: Write the numerical or algebraic expression from each rain boot in words.

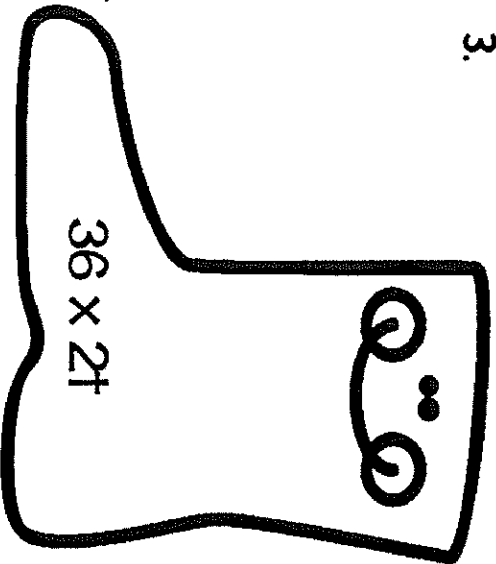
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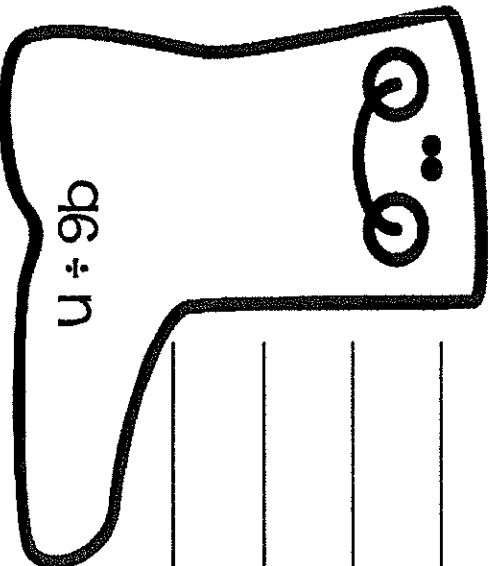
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3.



4.

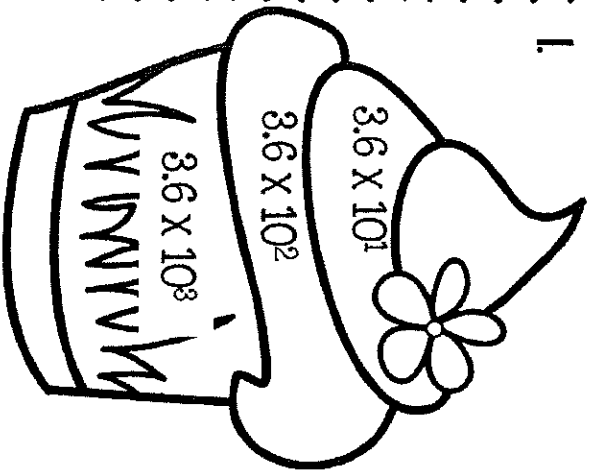


Cupcake P.O.W.E.R.S. 10

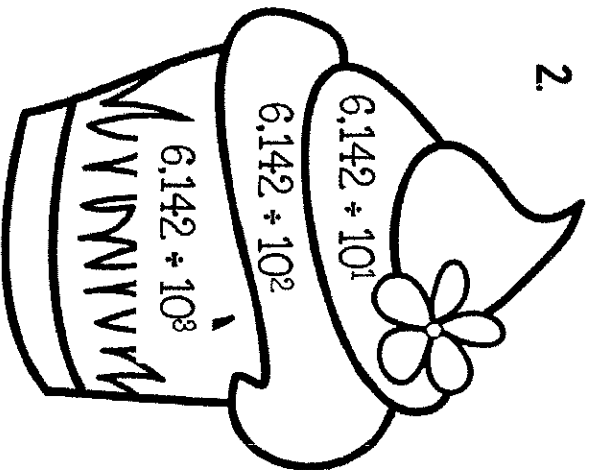
Name: _____ Date: _____

Directions: Solve the powers of 10 equations on the cupcakes.

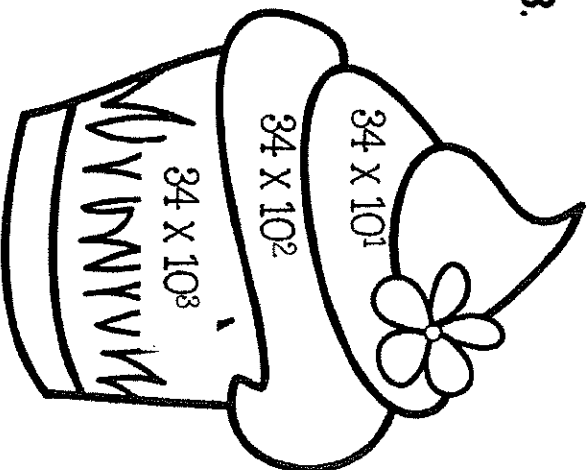
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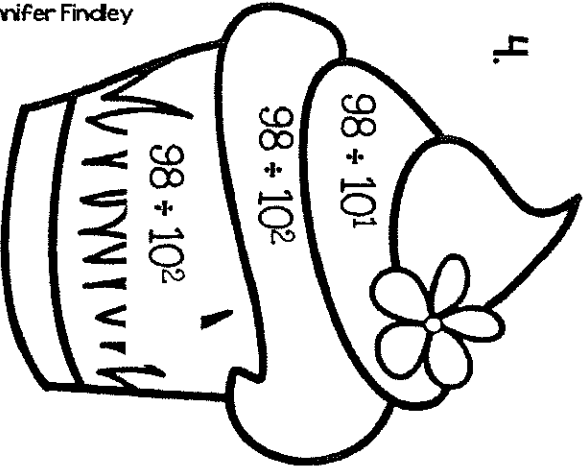
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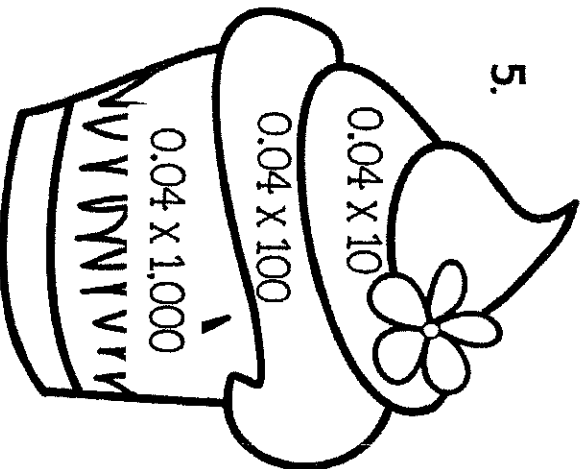
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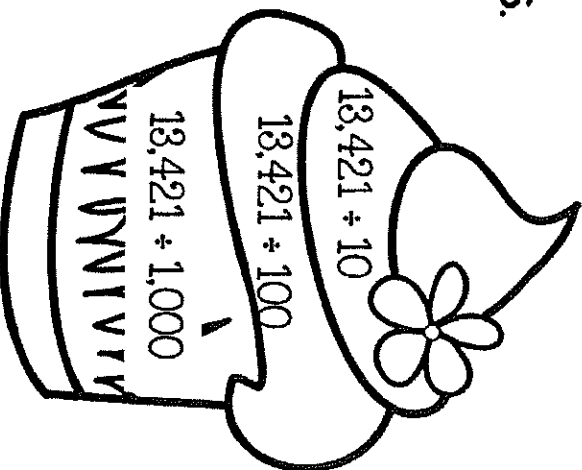
4.



5.



6.



Hot Air Balloon Numbers

Name: _____

Date: _____

Directions: Follow the directions to write the number in a different form.

3,562.653

1.

Expanded Form

Fifty-two thousand and three hundredths

2.

Base Ten Numerical Form

541.236

3.

Number Name Form

0.054

4.

Number Name Form

three hundred six thousandths

5.

Expanded Form

$2 \times 1,000 + 3 \times 10 + 4 \times 1/10 + 3 \times 1/100$

6.

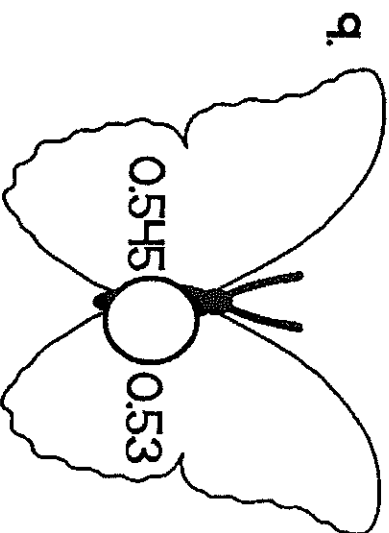
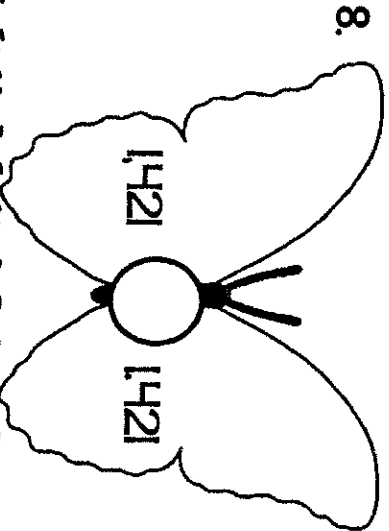
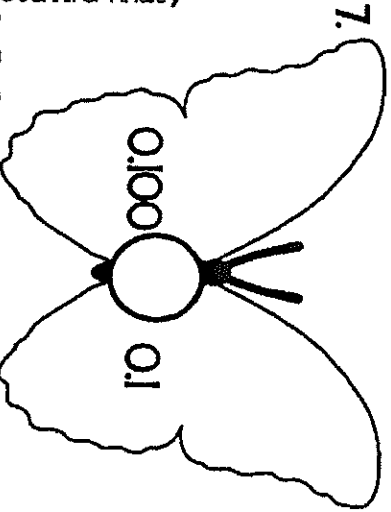
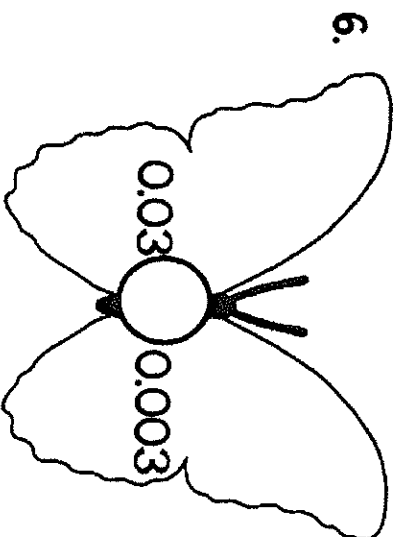
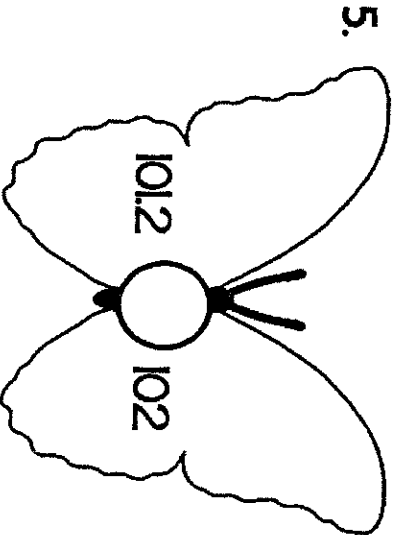
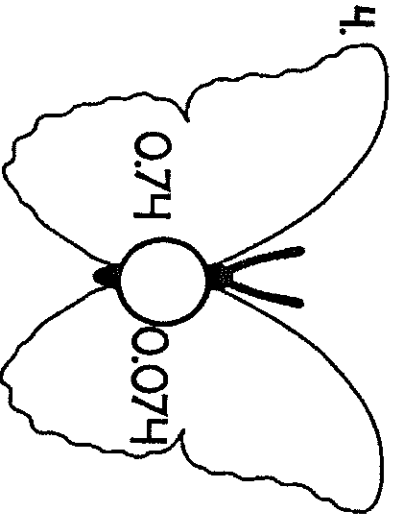
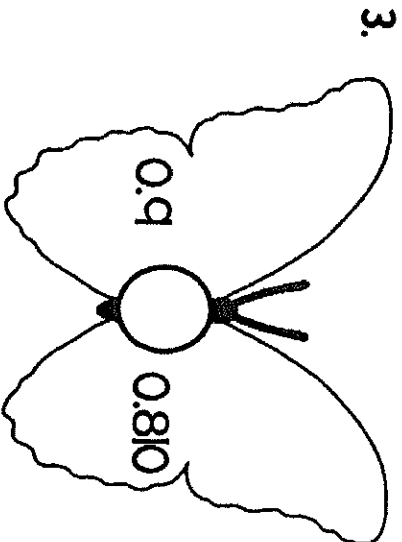
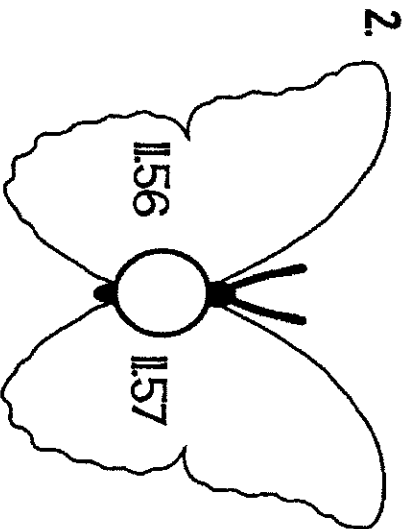
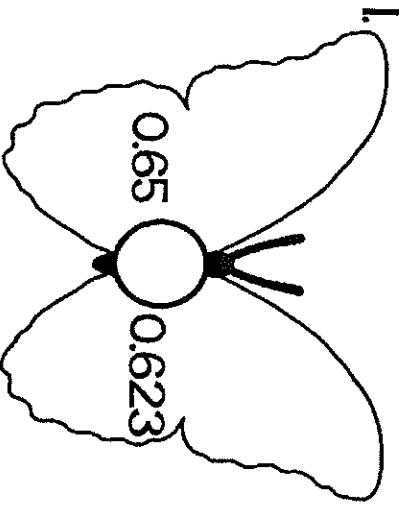
Base Ten Numerical Form

Butterfly Comparisons

Name: _____

Directions: Compare the decimals on the butterflies' wings using $<$, $>$, or $=$.

Date: _____

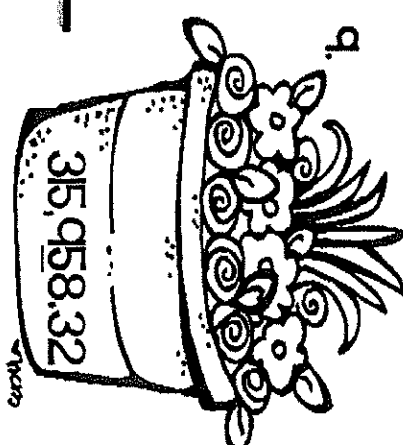
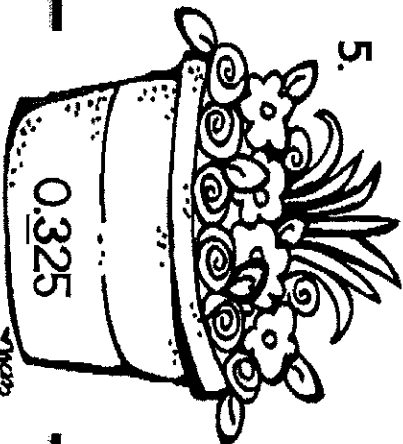
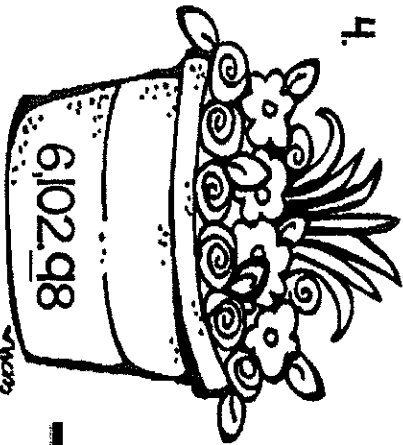
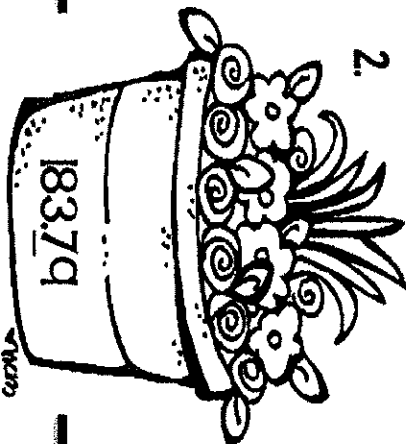
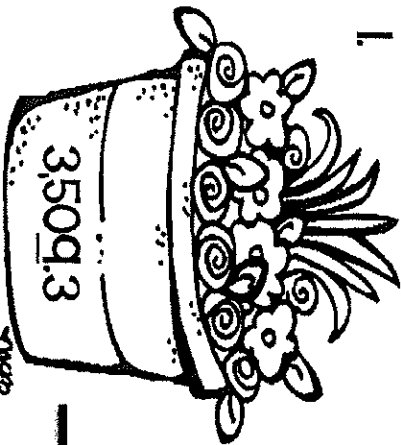


Flower Pot Rounding

Name: _____

Date: _____

Directions: Round the number on the flower pot to the underlined place value.



RAIN GEAR Word Problems

Name: _____

Date: _____

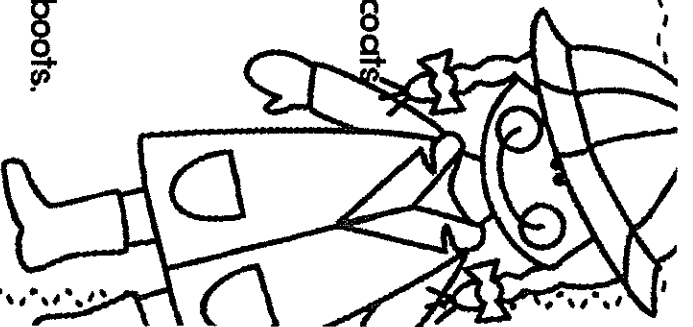
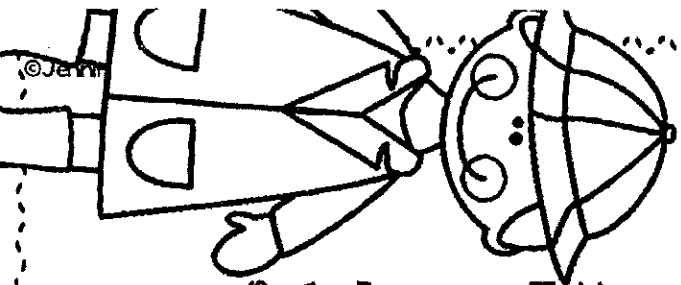
Directions: Read and solve each word problem. Write equations to match the situations.

1. A shipment of rain coats and rain hats arrived at Academy Sports. There were 12 cases of rain coats and 11 boxes of rain hats. Each case contained 175 of that item inside. How many total rain coats and rain hats did Academy Sports receive in all?

2. Rain boots come in shipments of 25 pairs. Rainy Day Apparel wants to order a total of 675 pairs of boots. How many shipments will they need to order to have enough?

3. An umbrella manufacturer has 1,584 umbrellas to pack for shipment. One case will hold 36 umbrellas. How many cases will the company need to ship all of their umbrellas?

4. The manager at Rainy Day's Clothing and Accessories has noticed that they are running low on women's rain boots. She places an order for 16 cases of boots on one shipment and 8 on another shipment. Each case contains 76 pairs of boots. How many total pairs of boots will the store receive?

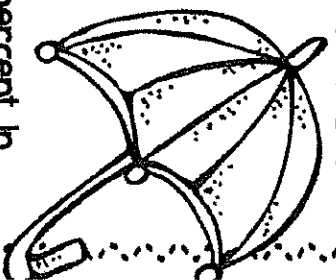


Shopping for umbrellas

Name: _____

Date: _____

Directions: Read and solve each word problem. Write equations to match the situations.

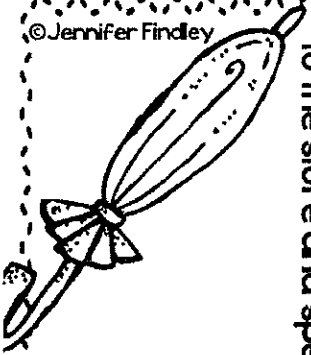


1. Janine's mom purchases six umbrellas for a total cost of \$37. She has a coupon, which will save her 25 percent. In order to determine her new total, she needs to take 0.25 of 37 to find her savings. How much will she save with her coupon? What will her new total be?

2. Jeffery is planning to purchase a new umbrella, but he is debating on which one to get. A plain black one costs \$9.45 after tax, and a multi-colored one costs \$12.76 after tax. What is the difference between the costs of the two umbrellas?

3. Three friends purchased new umbrellas for a total of \$19.74. They had to split the total cost equally among the three of them. What was each friend's cost?

4. A mother buys an umbrella for \$9.98 for herself, and a \$5.99 umbrella for her daughter. The next day, she returns to the store and spends another \$14.56 total on two umbrellas for her sons. How much did the mother spend in all?



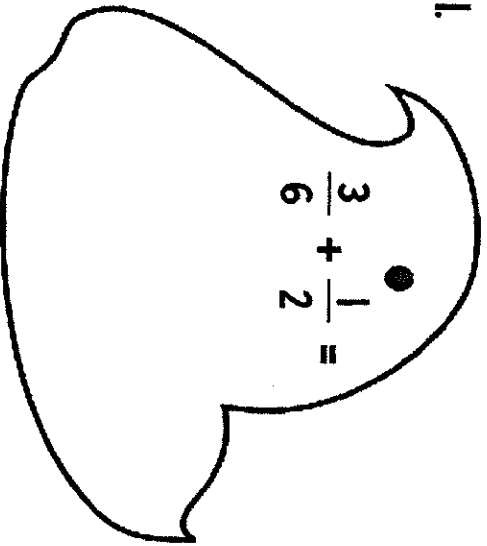
Working with Fraction Peeps

Name: _____

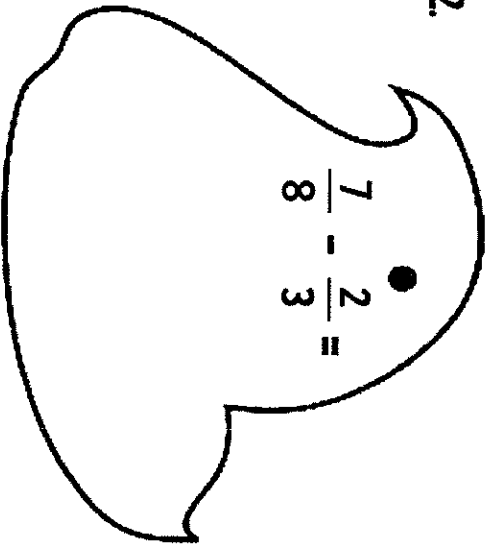
Date: _____

Directions: Solve each fraction equation. Show your work inside the peep (and the back, if needed).

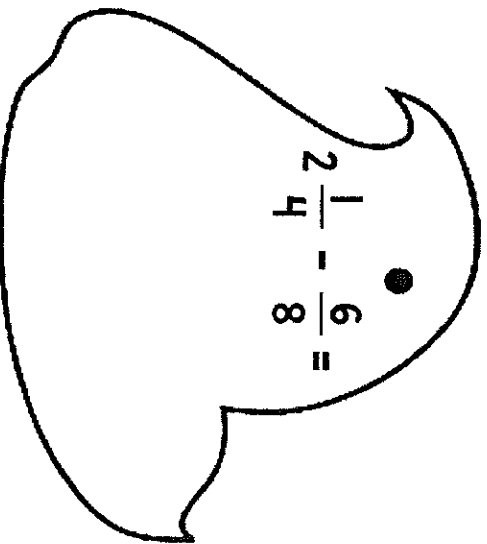
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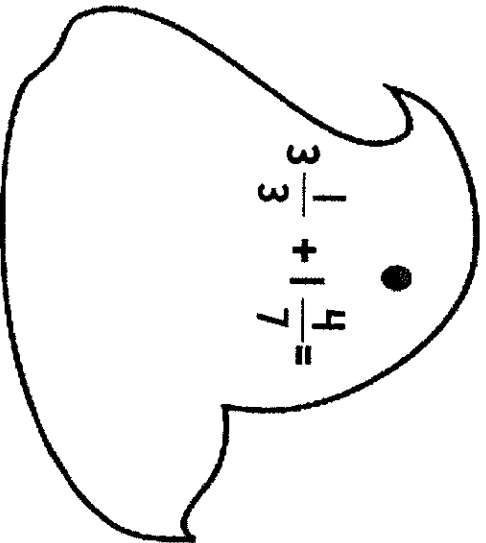
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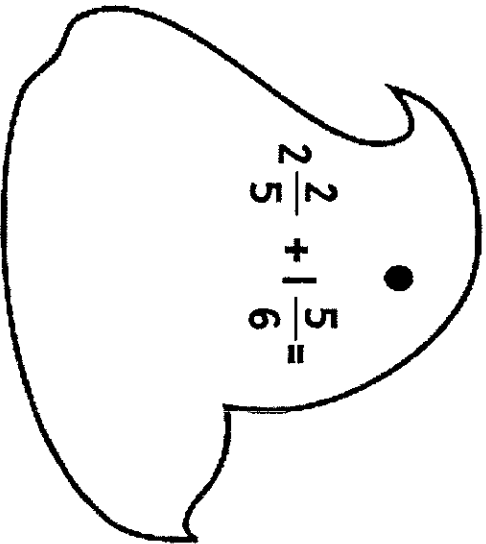
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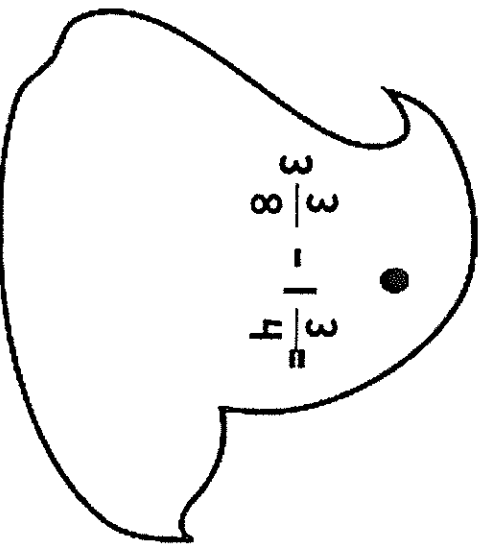
4.



5.



6.



Rain, Rain, Go Away!

Name: _____

Date: _____

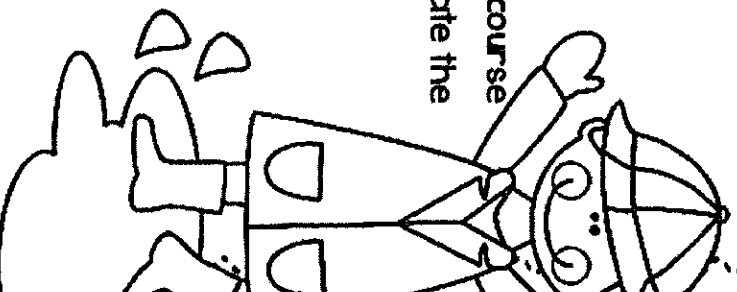
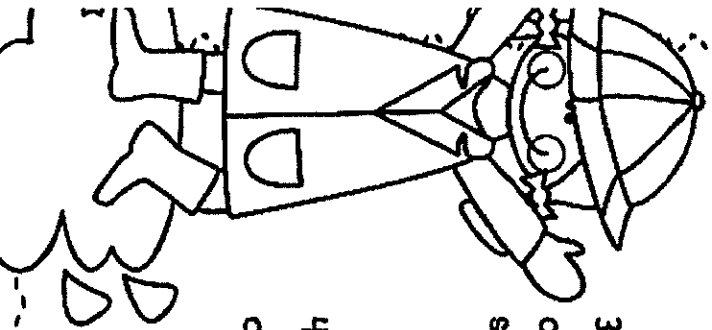
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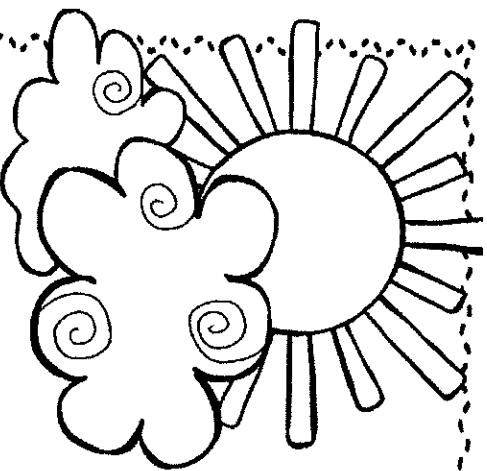
1. On Wednesday, it rained $2\frac{1}{2}$ inches. This was $\frac{3}{4}$ of an inch more than how much it rained the week before. What was the rainfall amount the week before?

2. In one city, it rained $5\frac{1}{4}$ inches in January. Another city reported $6\frac{2}{3}$ inches. What is the difference in the two reported amounts of rainfall in the two cities?

3. For a project, Miguel sets out a rain gauge to measure the amount of rainfall over the course of three days. Here are his measurements: $\frac{3}{4}$ inch, $1\frac{1}{2}$ inches, and $2\frac{3}{8}$ inches. Calculate the sum of all three days' rainfall amounts.

4. When Miguel was determining the sum of his measurements (from Problem #3), he calculated the sum as $3\frac{7}{14}$ inches. Determine the error Miguel made in his calculations.





What's the Weather?

Name: _____ Date: _____

Directions: Read and solve each word problem. Write equations to match the situations.

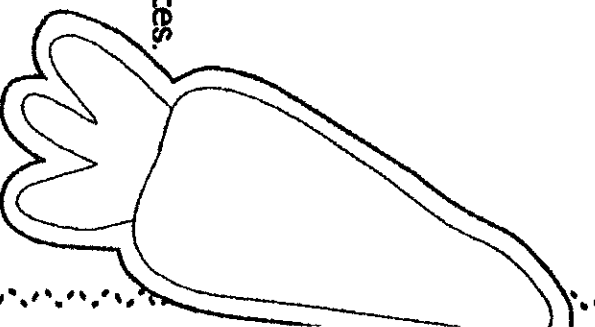
1. Jami is keeping track of the weather for a class project. She recorded data on 32 days. Out of the 32 days, $\frac{1}{4}$ were clear, blue skies. How many days had clear, blue skies?
2. Out of the 30 days in April, $\frac{3}{5}$ of the days were sunny and clear. The rest of the days were either cloudy or contained some rainfall. How many days out of the 30 were sunny and clear?
3. Amy's data showed that she had collected data for 24 days. Her data shows that $\frac{1}{4}$ of the days were rainy, $\frac{1}{4}$ were cloudy, and the rest of the days were sunny. How many of the 24 days were sunny?
4. Samantha's teacher wants her students to continue collecting data until they have at least $\frac{1}{2}$ of their data showing rainy days. Samantha has collected 36 days worth of data. She wants to see if she has met the $\frac{1}{2}$ rainy day requirement to go ahead and turn in her data. After studying her data, she finds that 20 out of the 36 days were rainy days. Has she met the requirement set by her teacher? Explain your reasoning.

Spring COOKIES

Name: _____ Date: _____

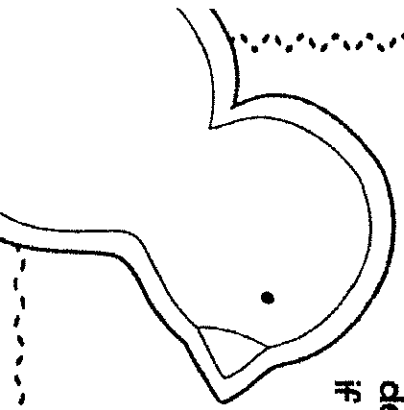
Directions: Read and solve each word problem. Write equations to match the situations.

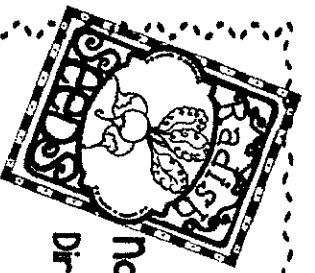
1. Ms. McMillan made her famous carrot shaped cakes for a Spring Festival cookie tasting contest. However, she only made 8 cookies. When she arrived at the contest, she realized there were more than 8 taste testers. In order to continue with the contest, she had to cut her cookies into $\frac{1}{3}$ size pieces. After she cut her cookies, how many cookies pieces does she have for the taste testers?



2. Jessica purchased a large cookie in the shape of a Spring peep. After arriving home, she ate part of the cookie and had $\frac{1}{4}$ remaining. She decided to give the rest of her cookie to her three sisters to let them share equally. What fraction of the original cookie will each of her sisters get to eat?

3. Matt bought a pack containing 12 of his favorite Spring cookies. He wants to make the cookies last longer, so he decides to eat only $\frac{1}{2}$ of each cookie a day. How long will this pack of cookies last him if he follows through with his plan to only eat $\frac{1}{2}$ of a cookie each day?

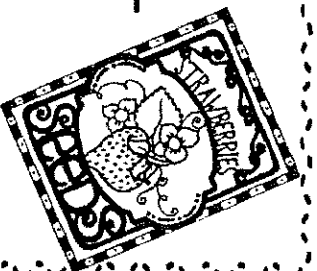




Packing Seeds

Name: _____ Date: _____

Directions: Read the situation and determine the best possible solution.



Camille is packing seeds to send to her mother in law. She estimates that she needs a box with a volume of at least 6,856 cubic inches. Here are the boxes she has to choose from:

- Option A: Length: 13 inches, Width: 12 inches, Height: 16 inches
- Option B: Length: 18 inches, Width: 25 inches, Height: 16 inches
- Option C: Length: 12 inches, Width: 14 inches, Height: 22 inches
- Option D: Length: 20 inches, Width: 22 inches, Height: 17 inches

Which boxes can she choose?

Camille realizes she is charged more based on the volume of the box and not the weight. Which box would fit her requirements and be the best choice to save her on shipping costs? Explain your reasoning.

B · U · Y · I · N · G · F · L · O · W · E · R · S

Name: _____ Date: _____

Directions: Read the directions to finish the patterns, then answer the questions.

The sale of Daffodils started at 5 on Day 1 and doubled each day.

The sale of Tulips started at 2 on Day 1 and tripled each day.

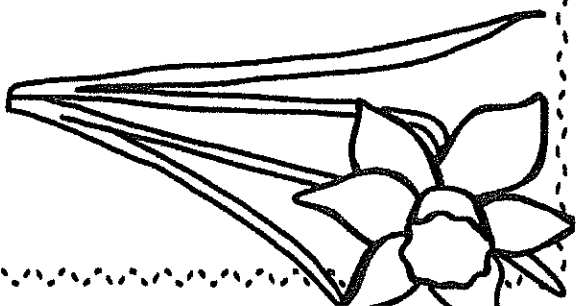
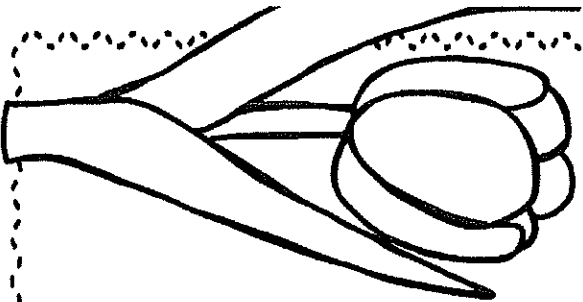
Day	Daffodil Sales	Tulip Sales
1		
2		
3		
4		
5		
6		

1. At what point did the Tulip sales become higher than the Daffodil sales?

2. Fill in the blanks with the correct information based on the patterns.

The sales of Tulips started out _____ (higher, lower) than the Daffodil sales, and _____ (decreased, increased) each day.

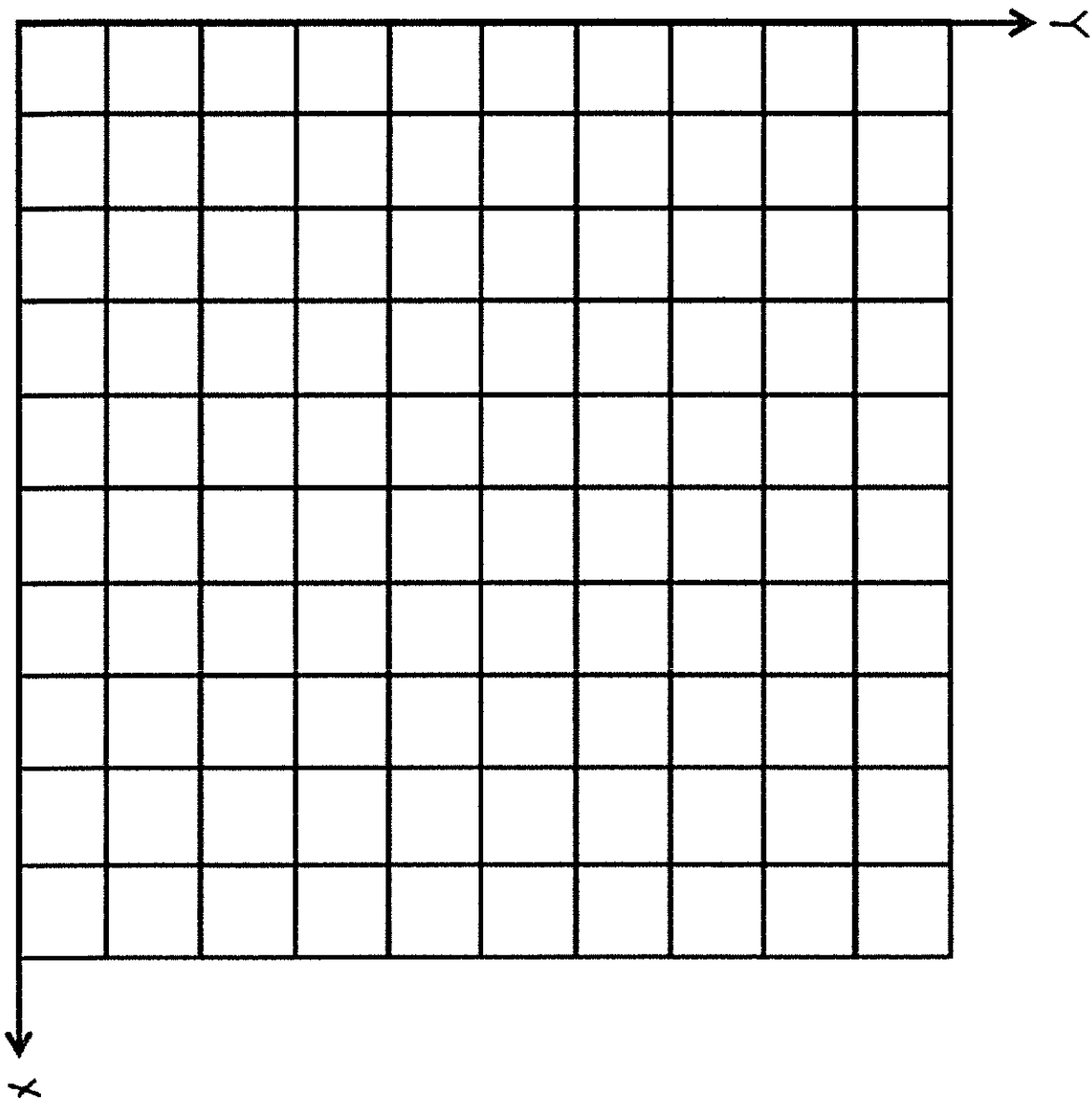
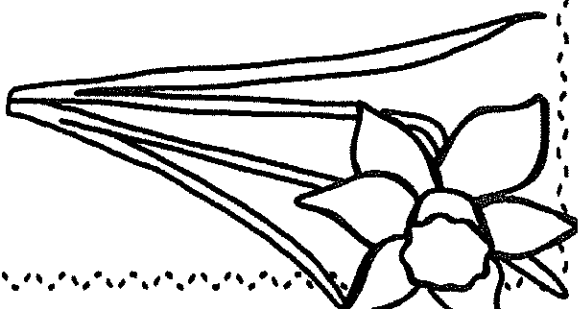
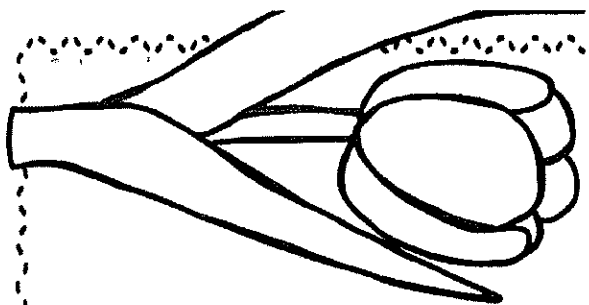
3. Graph the sales of each flower on the coordinate grid.



B · U · Y · I · N · G · F · L · O · W · E · R · S

Name: _____ Date: _____

Directions: Determine an appropriate scale to use. Then graph the patterns of the flower sales.





Name _____

1. Choose all the expressions that are equal to 5×10^4 .

- 5×100
- $5 \times 1,000$
- $5 \times 10,000$
- $5 \times 10 \times 10 \times 10$
- $5 \times 10 \times 10 \times 10 \times 10$

2. The area of Mammoth Cave National Park in Kentucky is about fifty-two thousand, eight hundred thirty and nineteen hundredths acres. Which shows this number of acres in standard form?

- (A) 52,800.319
- (B) 52,803.19
- (C) 52,830.19
- (D) 52,831.9

3. For items 3a–3d, choose Yes or No to tell if the digit in the tens place is $\frac{1}{10}$ the value of the digit in the hundreds place.

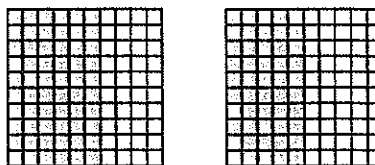
- 3a. 54,450 Yes No
- 3b. 50,445 Yes No
- 3c. 40,533 Yes No
- 3d. 45,330 Yes No

4. North High School has 5,000 students. South High School has $\frac{1}{10}$ as many students as North High School. How many students are there at South High School?

5. Choose all the comparisons that are true.

- $3.062 > 3.26$
- $2.36 > 2.306$
- $6.23 < 6.203$
- $6.203 < 6.32$
- $3.62 < 3.206$

6. Laura shaded 60 squares on her hundredths grid. Billy shaded 50 squares on his hundredths grid.



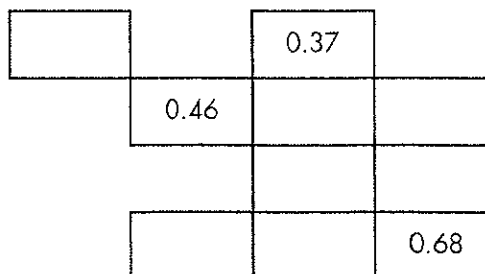
Part A

Write two decimals less than Laura's decimal and greater than Billy's decimal.

Part B

Write two decimals equivalent to Laura's decimal.

7. Determine the pattern. Then write the decimals to complete the decimal grid.



8. Maria walked 4.035 kilometers. What is 4.035 written in expanded form?

- (A) $4 \times 1 + 3 \times \frac{1}{10} + 5 \times \frac{1}{100}$
- (B) $4 \times 1 + 3 \times \frac{1}{100} + 5 \times \frac{1}{1,000}$
- (C) $4 \times 1 + 3 \times \frac{1}{10} + 5 \times \frac{1}{1,000}$
- (D) $4 \times 10 + 3 \times \frac{1}{10} + 5 \times \frac{1}{100}$

9. Eddy's plum weighs 3.042 ounces. Desta's plum weighs 3.24 ounces. Whose plum weighs more? How can you tell?

10. During the hockey season, Elena averaged 5.625 assists per game. What is 5.625 written in expanded form? How is it written with number names?

11. The numbers below follow a pattern.

300 30 3 0.3 _____

Part A

What are the next two numbers in the pattern?

Part B

What is the relationship between the terms in the pattern?

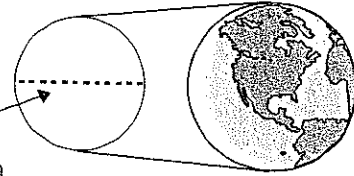
12. Kent completed his homework in 52.752 minutes. What is this number rounded to the nearest tenth? Explain how you decided.

Name _____

Diameters

A diameter is the distance across a circle or a sphere through its center. The **Earth** figure shows the diameter of our planet.

Earth



Diameter at the equator = 12,756 km.

1. Write the diameter of Earth at the equator in expanded form with exponents.

2. Sediments are deposits left by streams. Geologists name the pieces based on their diameters. The **Sizes of Different Sediments** table shows the names of several types of deposits.

Sizes of Different Sediments

Name	Diameter of One Piece
Clay	0.001 mm to 0.004 mm
Silt	0.004 mm to 0.062 mm
Sand	0.062 mm to 2 mm

Part A

Anna found a piece of sediment with a diameter of 0.977 millimeter. Write the size of Anna's sample with number names and in expanded form.

Part B

What is the relationship between the values of the two 7s in the diameter of Anna's sample?

Part C

Explain how to round Anna's sample to the nearest hundredth.

Part D

According to the table, what is the name of Anna's sample?
Explain your reasoning.

3. Josef found a piece of sediment with a diameter of 0.012 millimeter.

Part A

Use $<$, $>$, or $=$ to compare the diameter of Josef's sample to the diameter of Anna's sample.

Part B

Matthew found a deposit with a diameter that is 10^2 times as long as Josef's. How many millimeters long is the diameter of Matthew's deposit?
Write your answer in standard form and with number names.

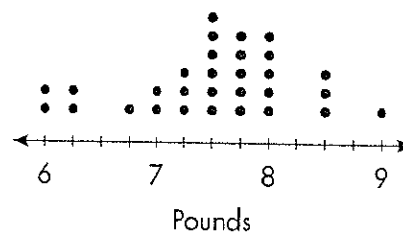
Part C

Explain how you found your answer to Part B.

- In which number is the value of the underlined digit ten times the value of the bold digit?
 - (A) 505
 - (B) 5,00**5**
 - (C) 5,500
 - (D) 50,500
- A bakery uses 48 pounds of flour each day. It is open for business 28 days each month. How many pounds of flour does the bakery use each month?
 - (A) 1,500 pounds
 - (B) 1,344 pounds
 - (C) 800 pounds
 - (D) 76 pounds
- Cameron collected 3 times as many canned goods as Diego. Diego collected 47 canned goods. How many canned goods did Cameron collect?
 - (A) 50 canned goods
 - (B) 121 canned goods
 - (C) 141 canned goods
 - (D) 150 canned goods

- Which lists multiples of 8?
 - (A) 8, 16, 24, 46
 - (B) 8, 16, 24, 48
 - (C) 8, 15, 32, 50
 - (D) 8, 16, 40, 63
- Gail ran $4\frac{6}{10}$ miles on Saturday and $6\frac{8}{10}$ miles on Sunday. How many miles did Gail run over the weekend?
 - (A) 11 miles
 - (B) $10\frac{14}{10}$ miles
 - (C) $11\frac{4}{10}$ miles
 - (D) $14\frac{2}{10}$ miles
- The weights of babies born at a hospital in November are shown in a line plot. How many more babies weighed $8\frac{1}{2}$ pounds than $6\frac{1}{4}$ pounds?
 - (A) 1 baby
 - (B) 2 babies
 - (C) 3 babies
 - (D) 4 babies


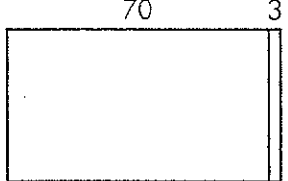
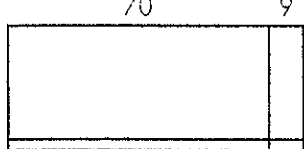
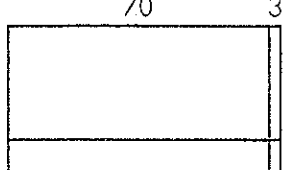
Newborn Weights



7. Round 43,628 to the thousands place.

- (A) 40,000 (C) 43,600
- (B) 43,000 (D) 44,000

8. Which area model can you use to find 39×73 ?

- (A) 
- (B) 
- (C) 
- (D) 

9. Use an estimate to decide if the answer is reasonable. If the answer is not reasonable, find the actual quotient.

$$\begin{array}{r} 621 \text{ R}2 \\ 9 \overline{)7,341} \end{array}$$

- (A) The answer is reasonable.
- (B) No; 815 R6
- (C) No; 815 R5
- (D) No; 815 R4

10. Which comparison is correct?

- (A) $\frac{2}{10} > \frac{3}{5}$
- (B) $\frac{2}{4} > \frac{4}{8}$
- (C) $\frac{2}{3} < \frac{10}{12}$
- (D) $\frac{9}{12} < \frac{3}{6}$

11. Which decimal makes the comparison true?

$$7.68 >$$

- (A) 8.81
- (B) 8.68
- (C) 7.86
- (D) 7.56

12. Which of the following letters is **NOT** line symmetric?

- (A) A
- (B) E
- (C) G
- (D) Y

Name _____

13. Find the sum.

$$8,852 + 4,113 \quad \checkmark$$

- (A) 11,956
 - (B) 12,865
 - (C) 12,965
 - (D) 13,065
14. Brandy made 7 batches of cookies. Each batch contained 12 cookies. She put the same number of cookies in each of 5 bags. How many cookies were not put in bags?
- (A) 16 cookies
 - (B) 12 cookies
 - (C) 4 cookies
 - (D) 2 cookies
15. Ellen is making jewelry sets that contain a bracelet and a pair of earrings. Each bracelet uses 3 times as many beads as one earring. Ellen uses 13 beads for each earring. How many beads does Ellen need to make one jewelry set?
- (A) 13 beads
 - (B) 39 beads
 - (C) 52 beads
 - (D) 65 beads

16. Inez and Joel work at a store that sells cell phones. Inez worked for 7 hours and 23 minutes. Joel worked for 4 hours and 51 minutes. How much longer did Inez work than Joel?

- (A) 2 hours 32 minutes
 - (B) 12 hours 14 minutes
 - (C) 3 hours 28 minutes
 - (D) 3 hours 32 minutes
17. Which is the same length as 4 kilometers?
- (A) 4,000 meters
 - (B) 4,000 centimeters
 - (C) 4,000 millimeters
 - (D) 40,000 millimeters

18. The following are rules for repeating patterns. For which rule will the 12th shape be a circle?

- (A) Triangle, Circle, Square
- (B) Circle, Square
- (C) Rectangle, Circle
- (D) Circle, Circle, Triangle

19. Subtract.

$$50,032 - 17,956$$

- (A) 47,924
- (B) 42,976
- (C) 32,136
- (D) 32,076

20. Nick cut a circular cookie into 5 equal slices. What is the angle measure of each slice?

- (A) 36°
- (B) 72°
- (C) 108°
- (D) 144°

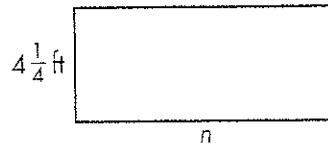
21. Franco made a dozen muffins for his party. Upon taking them out of the oven, he noticed that 2 of the muffins were badly burned. Franco served $\frac{7}{10}$ of the remaining muffins. Which equation shows the fraction of the non-burned muffins that remains?

- (A) $\frac{12}{12} - \frac{7}{12} = \frac{5}{12}$
- (B) $\frac{10}{10} - \frac{7}{10} = \frac{3}{10}$
- (C) $\frac{12}{12} - \frac{5}{12} = \frac{7}{12}$
- (D) $\frac{10}{10} - \frac{3}{10} = \frac{7}{10}$

22. Which expression does **NOT** equal $\frac{10}{12}$?

- (A) $\frac{5}{12} + \frac{5}{12}$
- (B) $\frac{3}{12} + \frac{2}{12} + \frac{2}{12} + \frac{2}{12} + \frac{1}{12}$
- (C) $\frac{4}{12} + \frac{3}{12} + \frac{2}{12} + \frac{1}{12}$
- (D) $\frac{5}{12} + \frac{4}{12} + \frac{3}{12} + \frac{2}{12} + \frac{1}{12}$

23. The perimeter of the rectangle shown below is 23 feet. What is the missing side length?



- (A) 14 feet
- (B) $7\frac{2}{4}$ feet
- (C) $7\frac{1}{4}$ feet
- (D) 7 feet

24. Mandy used the rule "Add 6" to make a pattern. She started with 20 and wrote the next 5 numbers in her pattern. Which number does **NOT** belong in Mandy's pattern?

- (A) 26
- (B) 32
- (C) 38
- (D) 43

25. The sky ride at an amusement park spans 2,715 feet. Over the course of the day, Anna rode the sky ride 7 times. How many feet did she ride?

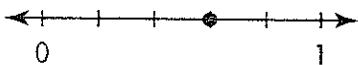
- (A) 14,025 feet
- (B) 15,500 feet
- (C) 19,005 feet
- (D) 21,000 feet

26. Find the quotient.

$$463 \div 6$$

- (A) 72
- (B) 77
- (C) 77 R1
- (D) 707 R1

27. Which fraction is **NOT** equivalent to the point shown on the number line?



- (A) $\frac{3}{5}$
- (B) $\frac{6}{10}$
- (C) $\frac{60}{100}$
- (D) $\frac{10}{12}$

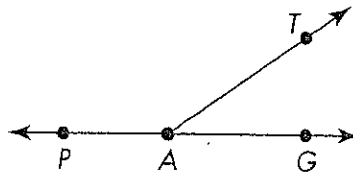
28. Hakim is making birdhouses. Each birdhouse uses $\frac{7}{8}$ yard of wood. What is the total length of wood Hakim will need to build 5 birdhouses?

- (A) $4\frac{3}{8}$ yards
- (B) $5\frac{7}{8}$ yards
- (C) $1\frac{4}{8}$ yards
- (D) $9\frac{2}{8}$ yards

29. Liam bought pizza and wings for \$27.58. How much change should Liam receive if he gave the clerk three \$10-bills? Use coins and bills to help solve.

- (A) \$1.52
- (B) \$2.42
- (C) \$2.52
- (D) \$12.42

30. Which geometric term describes $\angle TAG$?



- (A) Acute
- (B) Obtuse
- (C) Right
- (D) Straight

31. Which are the partial products of $3,706 \times 4$?

- (A) 1,200 280 10
- (B) 1,200 280 24
- (C) 12,000 2,800 24
- (D) 12,000 280 24

32. Find the product.

57×34

- (A) 399
- (B) 1,238
- (C) 1,921
- (D) 1,938

33. Which lists all the factors of 78?

- (A) 1, 2, 3, 6, 13, 26, 39, 78
- (B) 1, 2, 4, 19, 39, 78
- (C) 1, 2, 6, 13, 39, 78
- (D) 2, 3, 6, 13, 26, 39

34. Classify the triangle by its sides and by its angles.

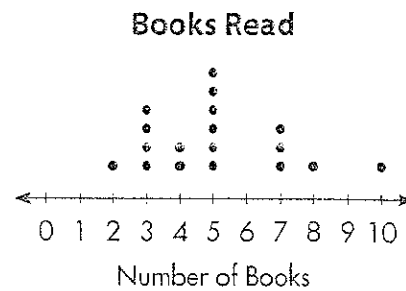


- (A) Isosceles, Obtuse
- (B) Scalene, Obtuse
- (C) Isosceles, Acute
- (D) Scalene, Acute

35. A tree was 17 feet tall when it was planted. It grew 8 times that height in 15 years. How much taller is the tree than when it was planted?

- (A) 119 feet
- (B) 136 feet
- (C) 247 feet
- (D) 255 feet

36. The line plot shows the number of books the students in Mrs. Kellogg's class read last week. How many students read 7 or more books?



- (A) 18 students
- (B) 13 students
- (C) 5 students
- (D) 4 students