ST. GREGORY THE GREAT CATHOLIC SCHOOL
SUMMER 2024
READING AND MATH ENRICHMENT

Students Entering Fourth Grade August 2024

Dear St. Gregory Parents,

Happy summer! While you are enjoying your summer, please encourage your child to read as much as possible. Reading is one of the most important skills which can impact your child's academic success and confidence!

The following pages have information regarding the math and reading activities our fourth grade teachers would like your child to complete during the summer. Please send the completed activities with your child on the second day of school.

Fourth Grade Summer Reading

- Incoming Fourth grade students will read *The Somewhat True Adventures of Sammy Shine by* Henry Cole.
- Please have the novel popcorn project completed after the book has been read. Have it ready to turn in to your teacher on the **second** day of school.
- In addition to the mandatory book, students will read at least two more books of their choosing. At least one of the books needs to be nonfiction.

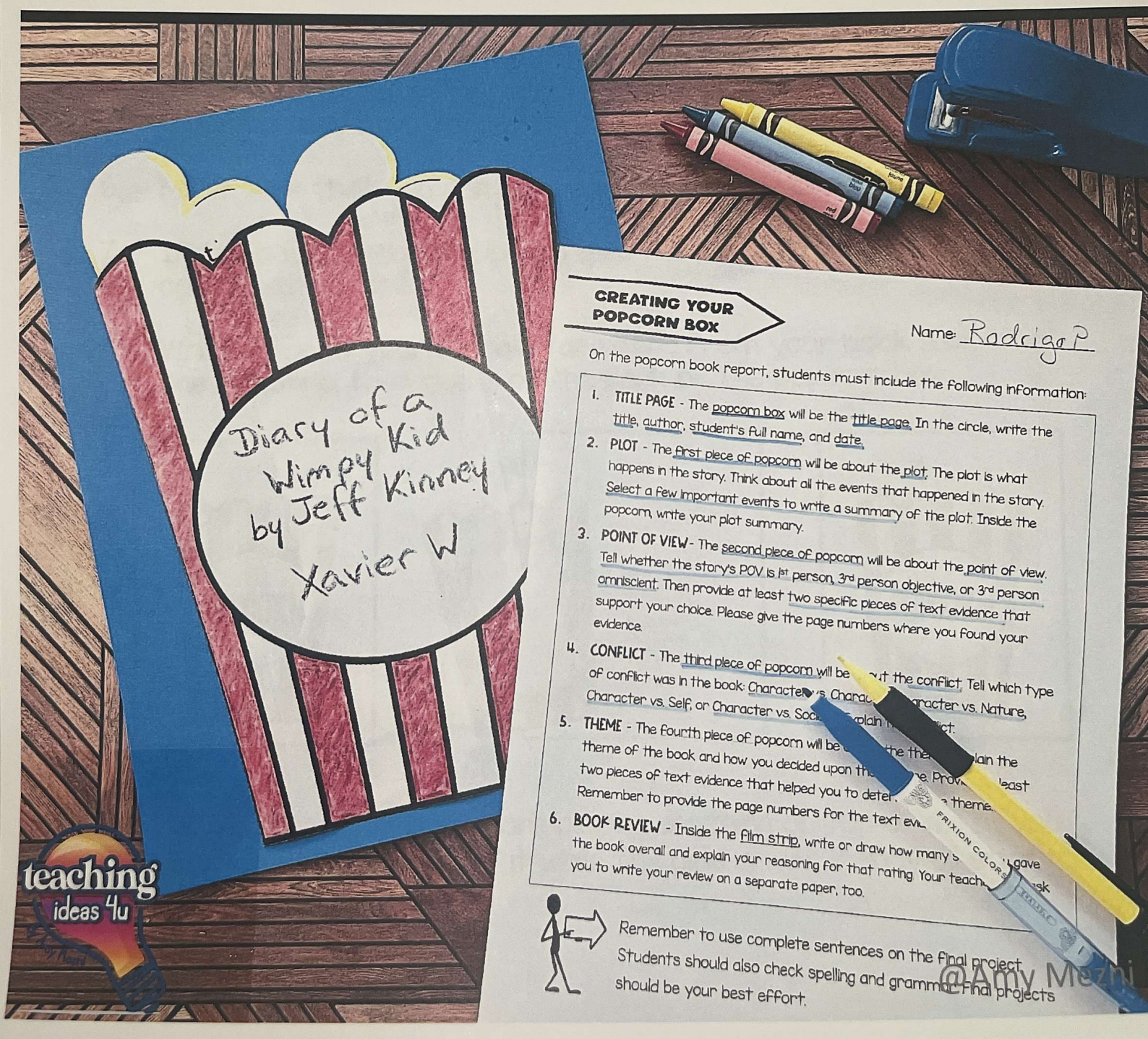
Fourth Grade Math Readiness

- Included in this packet is a math readiness packet. Please print the packet and complete all pages.
- We encourage you to pace out the packet for your child. We want students to have a break during the summer yet also review skills that they learned during third grade.
- The packet will be due to your child's teacher on the second day of school.

THE SOMEWHAT TRUE ADVENTURES OF SAMMY SHINE

HENRY COLE

POPCORN BOOK REPORT



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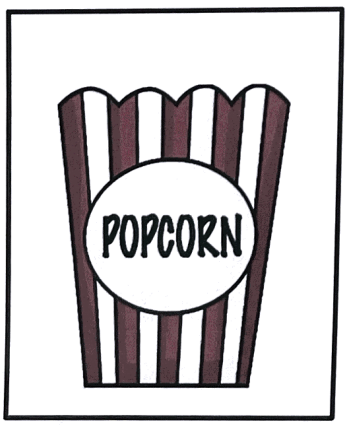

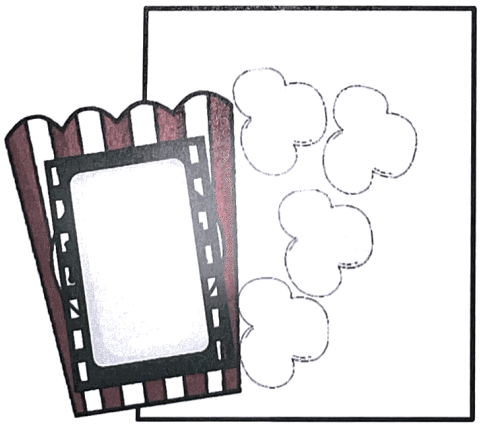

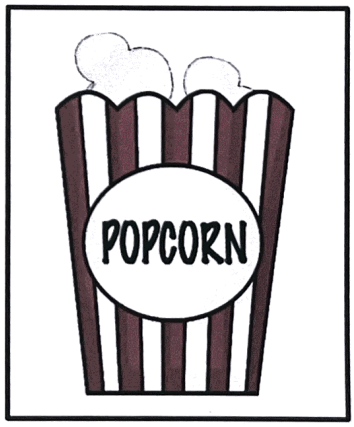

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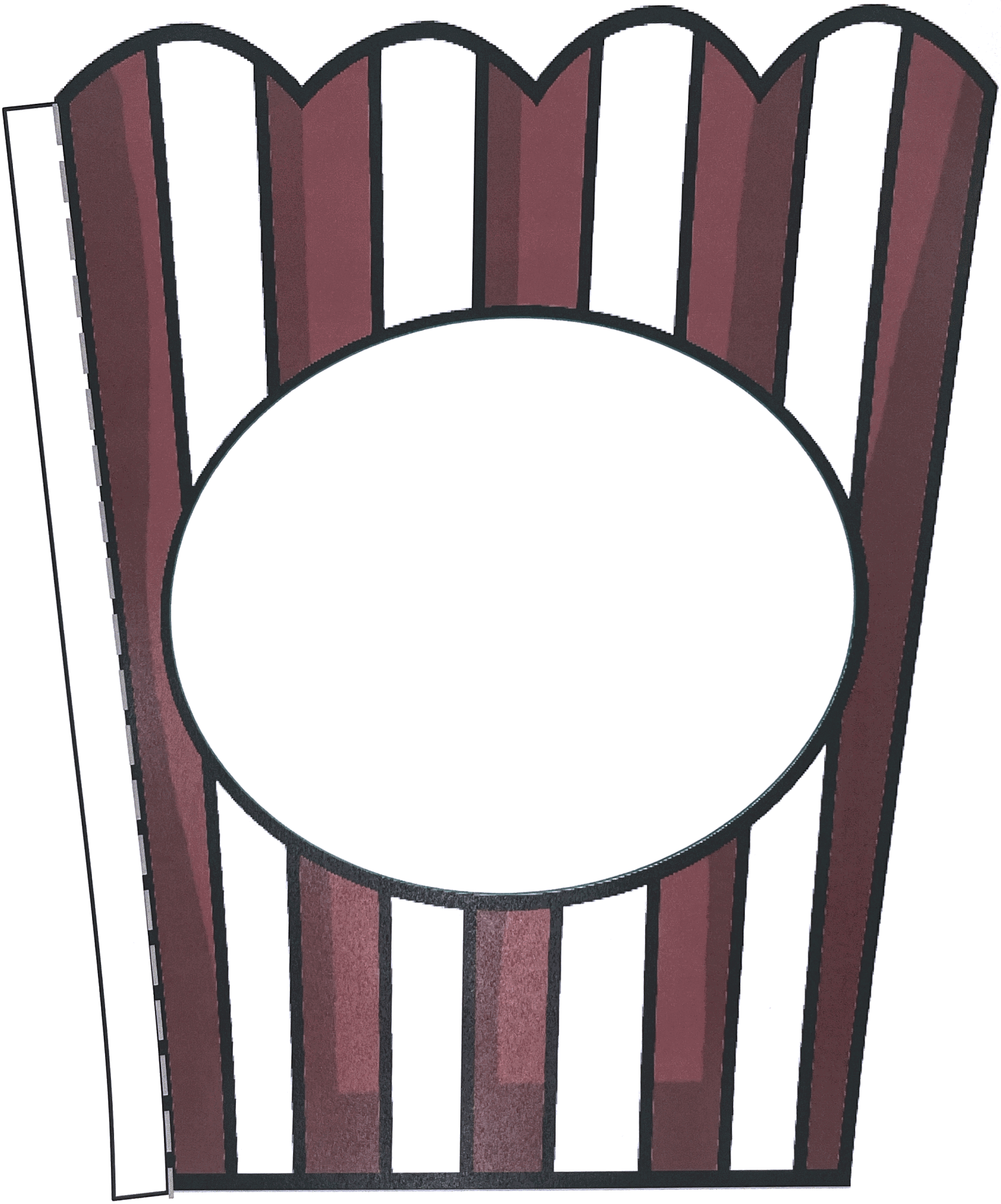


CREATING YOUR POPCORN BOX

Name: _____

On the popcorn book report, students must include the following information:

1. **TITLE PAGE** - The popcorn box will be the title page. In the circle, write the title, author, student's full name, and date.
2. **PLOT** - The first piece of popcorn will be about the plot. The plot is what happens in the story. Think about all the events that happened in the story. Select a few important events to write a summary of the plot. Inside the popcorn, write your plot summary.
3. **POINT OF VIEW** - The second piece of popcorn will be about the point of view. Tell whether the story's POV is 1st person, 3rd person objective, or 3rd person omniscient. Then provide at least two specific pieces of text evidence that support your choice. Please give the page numbers where you found your evidence.
4. **CONFLICT** - The third piece of popcorn will be about the conflict. Tell which type of conflict was in the book: Character vs. Character, Character vs. Nature, Character vs. Self, or Character vs. Society. Explain the conflict.
5. **THEME** - The fourth piece of popcorn will be about the theme. Explain the theme of the book and how you decided upon that theme. Provide at least two pieces of text evidence that helped you to determine the theme. Remember to provide the page numbers for the text evidence.
6. **BOOK REVIEW** - Inside the film strip, write or draw how many stars you gave the book overall and explain your reasoning for that rating. Your teacher may ask you to write your review on a separate paper, too.

Remember to use complete sentences on the final project. Students should also check spelling and grammar. Final projects should be your best effort.

©Amy Manni

POPCORN BOX BOOK REPORT

Name: _____

Date: _____

Students will create a popcorn box book report for a fiction book. In the popcorn box, students will put their "popcorn". On each piece of popcorn, the students will discuss a different element of fiction and how it was used in their book. The book report is due on _____.

ELEMENTS OF FICTION

Theme means the message of the story. How is the theme different from the **topic** of the story?

TOPIC

What is happening in the story.

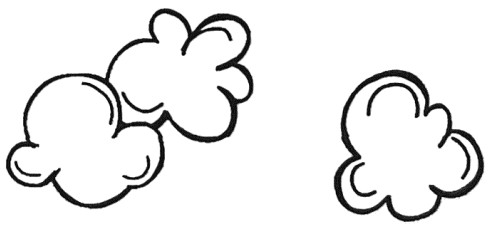
Ex. The Magic Treehouse: Dinosaurs Before Dark's topic is siblings travel back in time in a magic treehouse.

THEME

A message that the author wants the reader to understand.

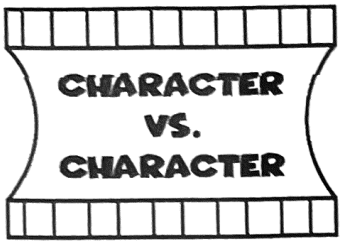
Ex. The Magic Treehouse: Dinosaurs Before Dark's theme might be teamwork or cooperation.

The theme might be directly told to the reader, but it often has to be inferred, or figured out, from the text. The reader should look for a conflict in the story. The conflict is a problem that the character has to solve in the story.



TYPES OF CONFLICTS (PROBLEMS)

In general, there are four types of conflicts or problems in stories.



The character has a problem with another character.

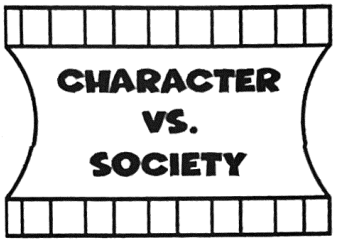
Ex. In *Cinderella*, Cinderella has problems with her stepmother.

The character has a problem with nature.

Ex. In *The Lorax*, the Lorax has to prevent the trees from becoming extinct.

The character has his own problem.

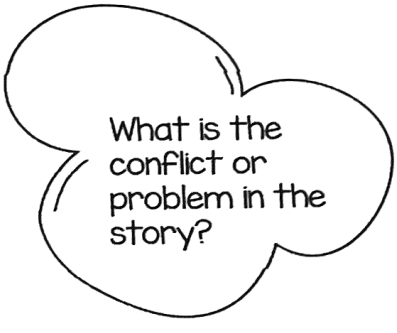
Ex. In *Alexander and the Terrible, Horrible, No Good, Very Bad Day*, Alexander is just having a bad day.

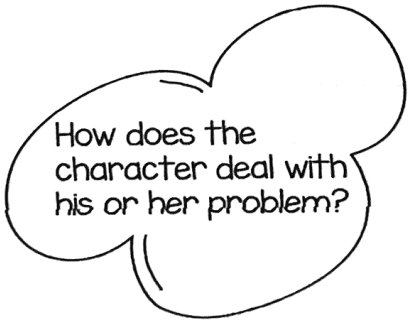


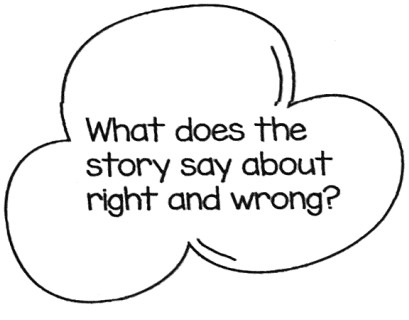
The character acts differently than society (people) expects him or her to act.

Ex. In *Ferdinand the Bull*, Ferdinand is a gentle bull who likes to smell flowers. He isn't mean like bulls are "supposed" to be.

Sometimes books have more than one theme. Readers may infer different messages depending upon what they read in the book. Students should ask themselves these questions to help identify the theme:







POPCORN BOX CHECKLIST

Name: _____

Date: _____

Does it include the title, author, your first and last name, and the date?	Yes	No	If no, did you revise?
Did you write a summary of the plot? Did you include a few specific events from the story?	Yes	No	If no, did you revise?
Did you tell the point of view of the story and provide at least two specific pieces of text evidence that support your choice? Remember to give the page numbers of your evidence.	Yes	No	If no, did you revise?
Did you tell the type of conflict that was in the story, as well as explain the conflict?	Yes	No	If no, did you revise?
Did you explain the theme of the story and provide as least two specific pieces of text evidence that support your choice? Remember to give the page numbers of your evidence.	Yes	No	If no, did you revise?
Did you check your work for spelling, grammar, and complete sentences?	Yes	No	If no, did you edit?
Did you complete the Book Review?	Yes	No	If no, did you edit?

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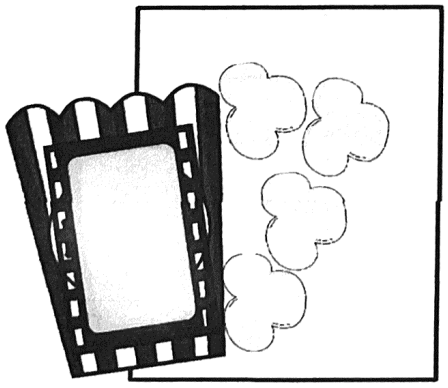

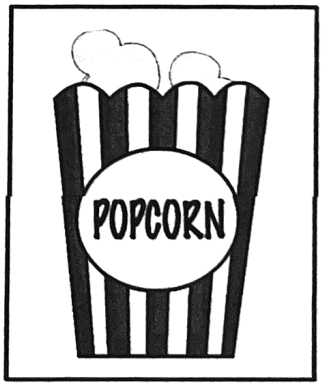

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BOOK REVIEW

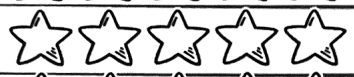
Name: _____

In this activity, you will evaluate your fiction book. Would you recommend the book to your friends? Why or why not? Sometimes readers enjoy certain parts of the book but not others. Evaluate the different story elements separately, then give the book an overall rating. Explain your ratings in a paragraph.

TITLE:

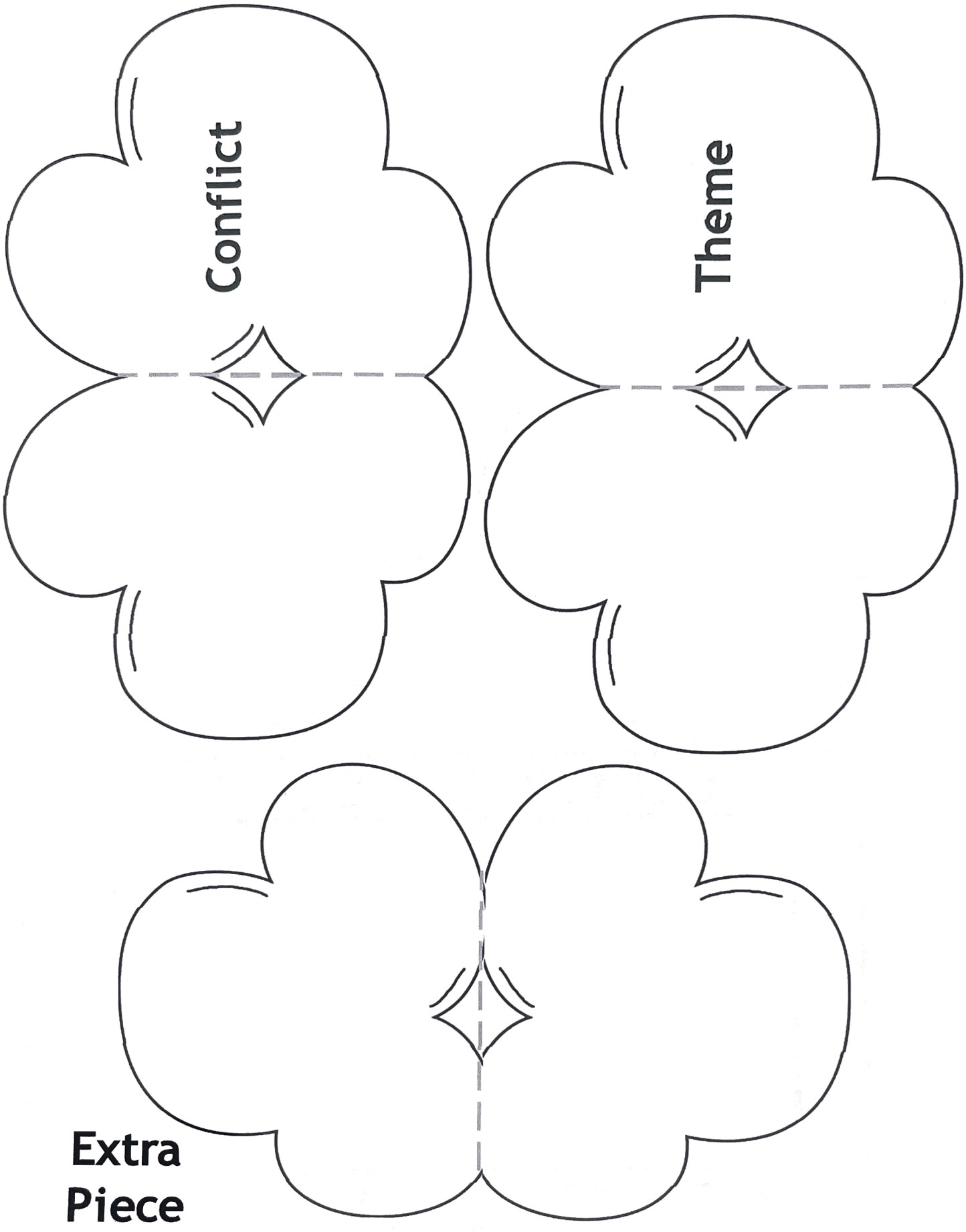
AUTHOR:

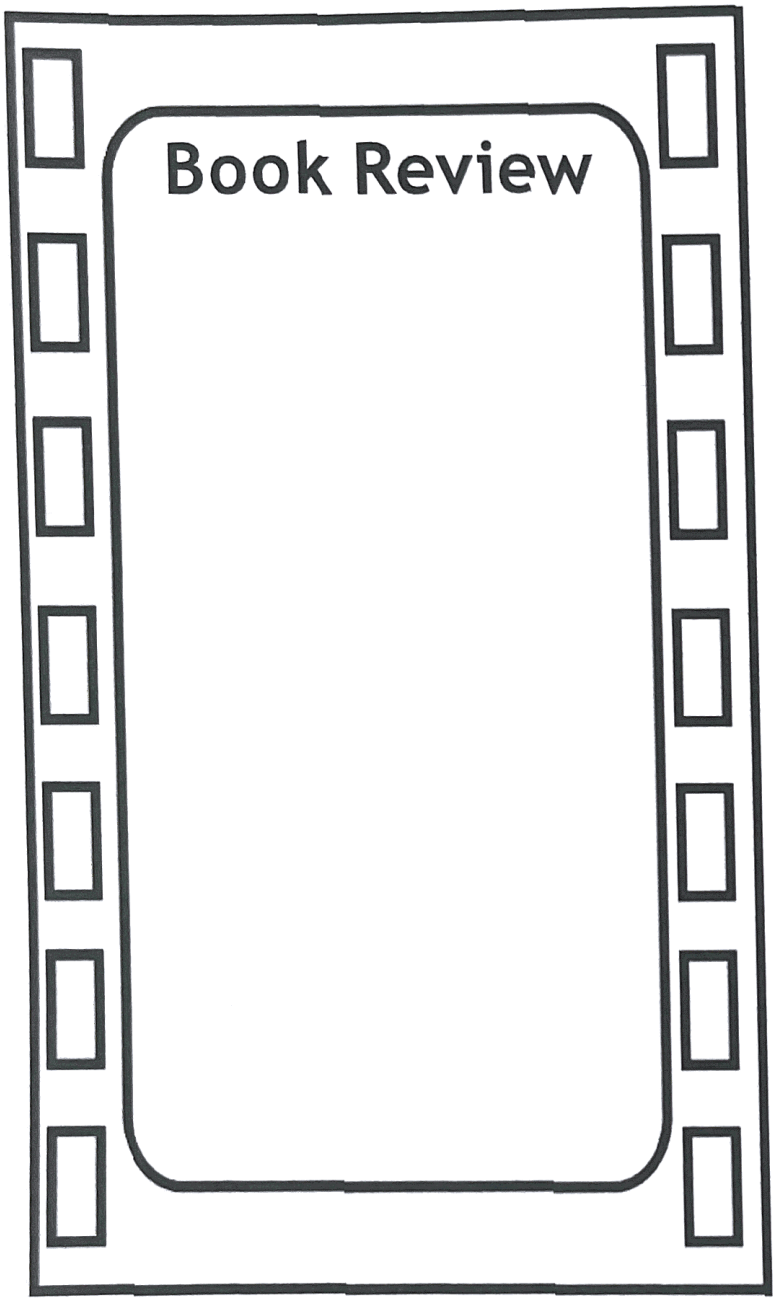
CHARACTERS:

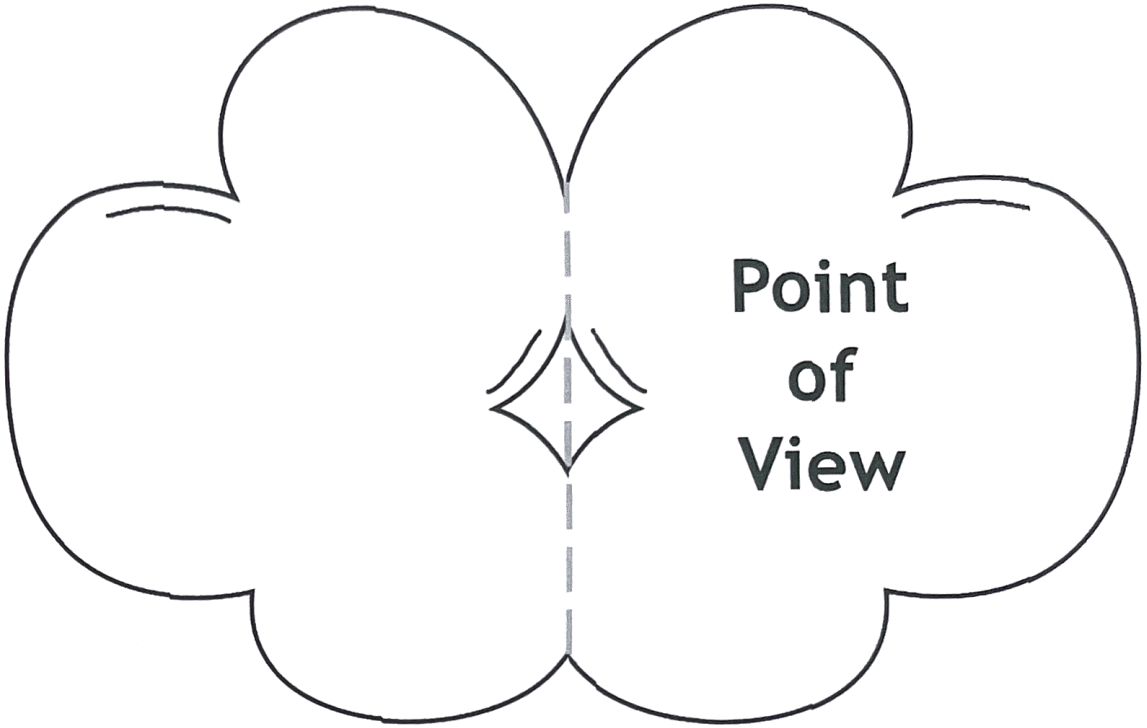
SETTING: 

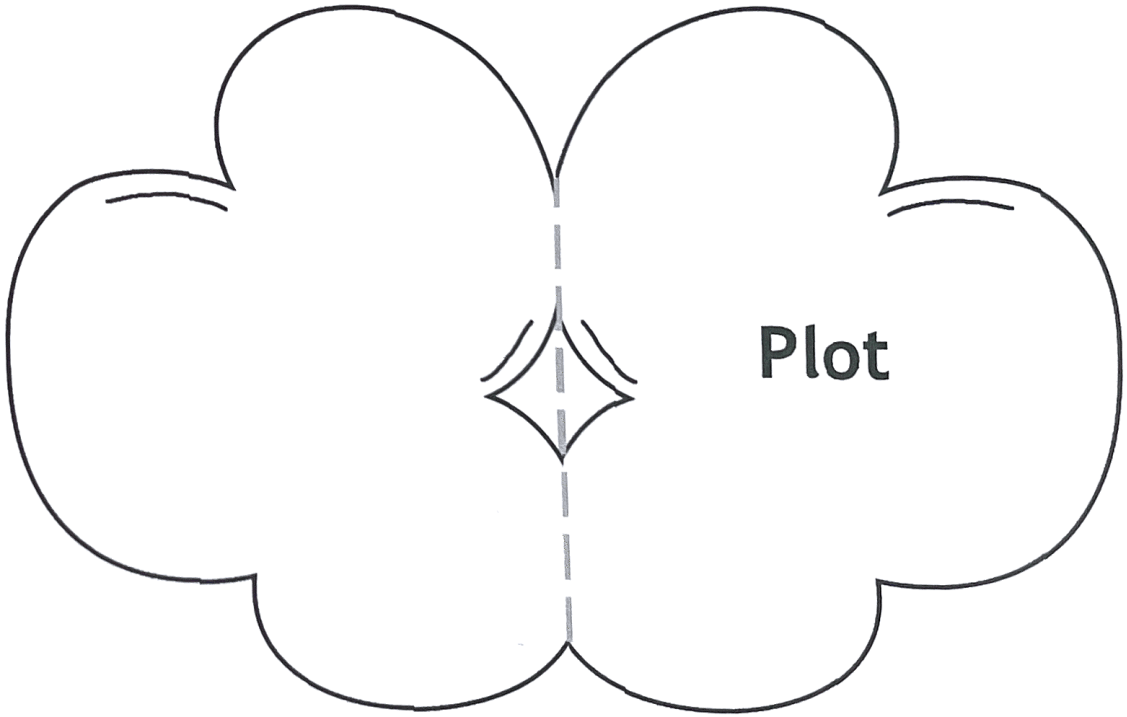
PLOT:

OVERALL:


Conflict
Theme
Extra Piece


Book Review


Point
of
View


Plot

Place Value & Rounding

Place Value Chart:

___	___	___
hundreds	tens	ones

ex: round 634 to the nearest ten

1. Keep all digits to the left of the place you are rounding the same.

The 3 is in the tens place.

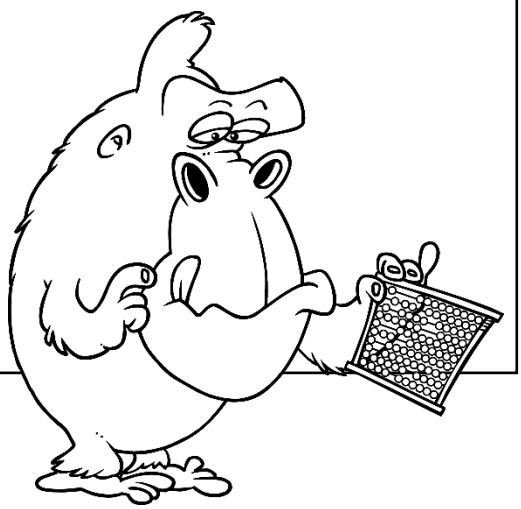
Keep the 6 the same.

2. If the digit to the right of the rounding digit is less than 5, keep the rounding digit the same. If it's 5 or greater, increase the rounding digit by 1.

After the 3 is a 4, which is less than 5, so the 3 stays the same and the 4 turns to a zero.

3. Change all places to the right of the digit you are rounding to 0.

→ 630



Identify the place value of the underlined digit.

1. 9<u>2</u>3	2. 25<u>4</u>	3. <u>5</u>13
4. <u>2</u>75	5. 30<u>9</u>	6. 3<u>7</u>1

Round each number to the nearest ten.

7. 48	8. 62	9. 75
10. 239	11. 424	12. 509

Round each number to the nearest hundred.

13. 183	14. 219	15. 583
16. 838	17. 862	18. 355

Adding Whole Numbers

1. Write the problem vertically, lining up the numbers to the right.

ex: 734 + 78

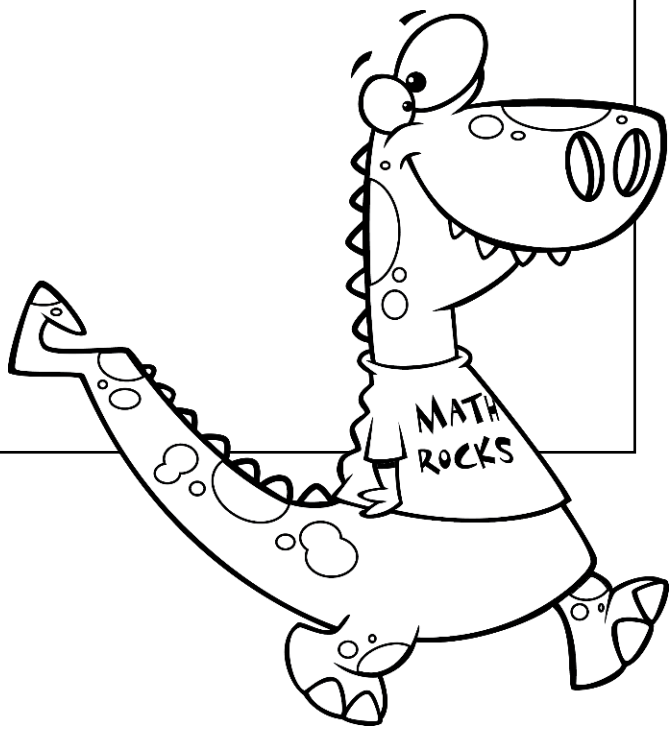
2. Add the ones digits of the numbers. If the sum is 10 or more, carry the tens digit and write the ones digit in the answer.

$$\begin{array}{r} {\scriptstyle 1\ \ 1\ \ \ } \\ 734 \\ +\ \ 78 \\ \hline 812 \end{array}$$

3. Repeat with the tens digits. Be sure to add in any carried digits, too!

→ **812**

4. Continue working right to left until there are no more digits to add.



Find each sum.

19. 17 + 8	20. 24 + 14	21. 36 + 19
22. 255 + 42	23. 91 + 28	24. 52 + 6
25. 319 + 245	26. 567 + 185	27. 306 + 88
28. 87 + 65	29. 423 + 89	30. 387 + 513

Subtracting Whole Numbers

1. Write the problem vertically, lining up the numbers to the right.

ex: 92 - 26

2. Subtract the ones digits of the numbers. If the top digit is less than the bottom digit, borrow. (Cross out the digit next to it and decrease it by one. Add 10 to the ones digit.) Then subtract the bottom digit from the new top one.

$$\begin{array}{r} {\scriptstyle 8}\ {\scriptstyle 12} \\ \cancel{9}\ \cancel{2} \\ -\ 2\ 6 \\ \hline 6\ 6 \end{array}$$

→ **66**

3. Repeat with the tens digits of the numbers.

4. Continue working right to left until there are no more digits to subtract.

Find each difference.

31. $27 - 6$	32. $32 - 14$	33. $81 - 8$
34. $53 - 22$	35. $90 - 79$	36. $216 - 14$
37. $307 - 25$	38. $842 - 37$	39. $513 - 74$
40. $617 - 608$	41. $324 - 159$	42. $400 - 123$

Multiplication & Division

Multiplication is when you combine groups of equal sizes.

You can read the × symbol as "groups of" and the answer will tell you how many there are in all.

ex: 3 × 4

This means 3 groups of 4

3 groups of 4 is 12!

→ 12

Division is when you take a number and break it apart into equal sized groups.

You can read the ÷ symbol as "split into groups of" and the answer will tell you how many groups you can make.

ex: 8 ÷ 2

This means 8 split into groups of 2

8 split into groups of 2 makes 4 groups!

→ 4

Multiplying by Multiples of 10

1. Ignore the zero in the multiple of 10 and multiply the numbers.
2. Add the zero back to your answer.

ex: 40 × 6

Pretend the 40 is a 4, and multiply 4 × 6

4 × 6 = 24

add a zero to the answer

→ 240

Replace the ? with the correct number to make each equation true.

43. $5 \times ? = 30$	44. $9 \times ? = 72$	45. $? \times 7 = 21$
46. $3 \times 6 = ?$	47. $? \times 2 = 14$	48. $4 \times ? = 12$
49. $? \times 6 = 36$	50. $8 \times 3 = ?$	51. $10 \times ? = 20$
52. $32 \div ? = 8$	53. $40 \div ? = 4$	54. $? \div 2 = 5$
55. $27 \div ? = 3$	56. $15 \div 3 = ?$	57. $56 \div ? = 8$

Multiply to find each product.

58. 20×7	59. 60×5	60. 30×9
61. 4×40	62. 2×60	63. 8×80
64. 70×6	65. 30×8	66. 4×20

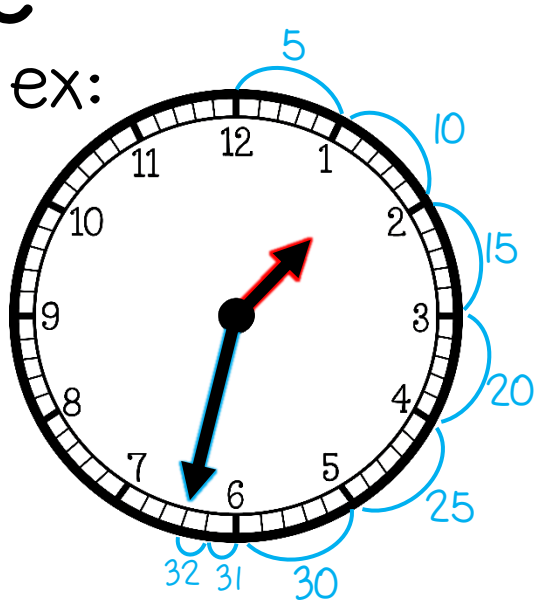
Telling Time

1. Find the hour: Look at the smaller hand (hour hand).
   - If it is pointed directly at a number, that is the hour.
   - If it is between two numbers, the smaller number is the hour.

2. Find the minute: Look at the longer hand (minute hand).
   - If the minute hand is pointed directly at a number on the clock, skip count by 5's until you get to that number.
   - If it is pointed directly at the 12, the minutes are :00 (o'clock).
   - If the minute hand is between two numbers, skip count by 5 until you get to the smaller number and then count on by ones for each additional tick mark.

3. Put the hour and minutes together.

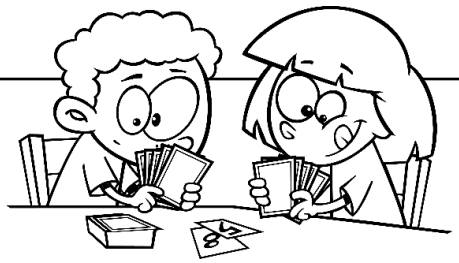
ex:



The hour hand is between the 1 and 2, so the hour is the smaller number: 1

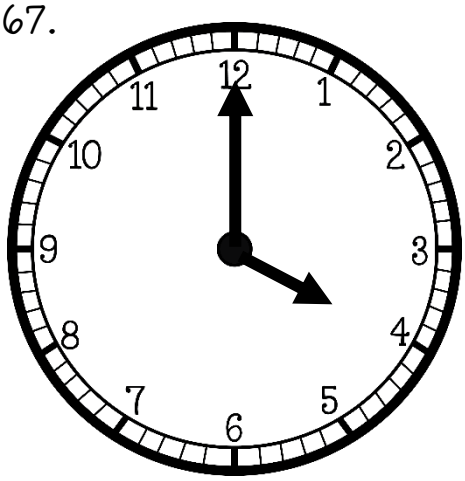
The minute hand is between the 6 and 7. Since 6 is the smaller number, skip count by 5's until you get to the 6. Then count on 2 more since the minute hand is 2 tick marks past the 6. So, the minutes are 32.

→ 1:32



Write the time that is shown on each clock.

67.



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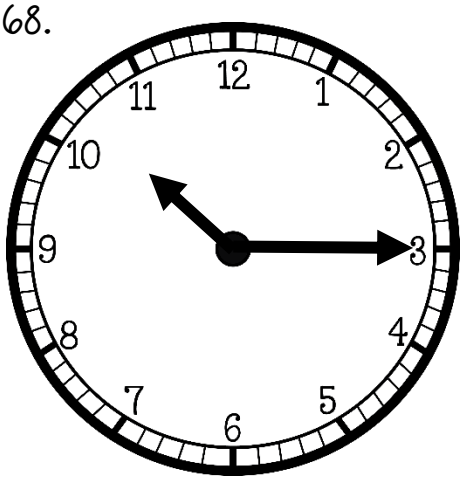

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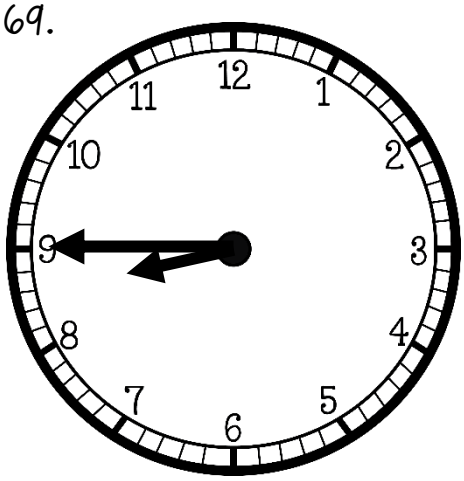

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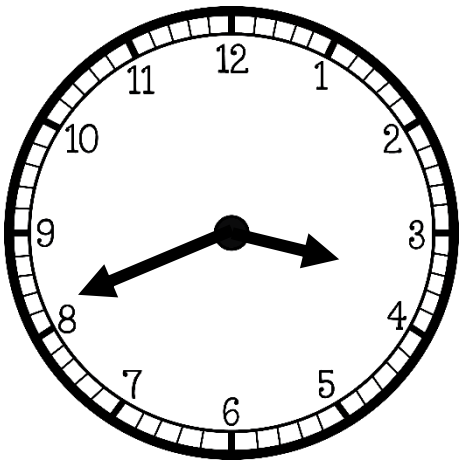

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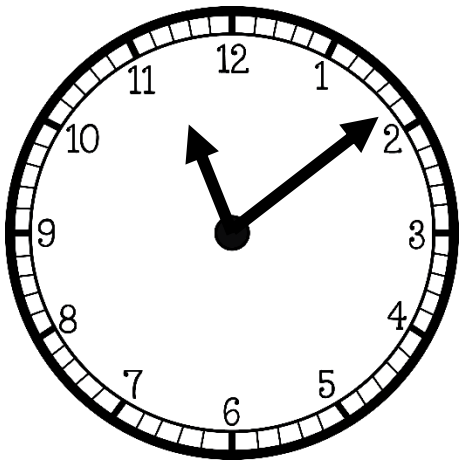

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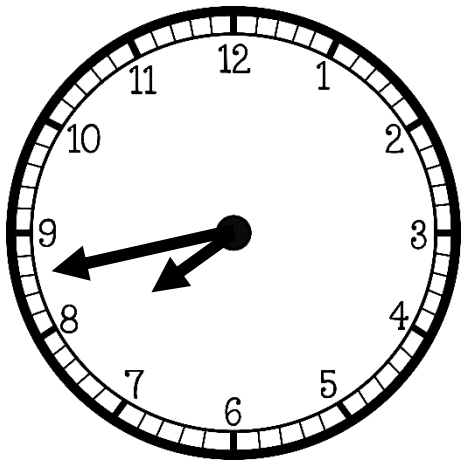

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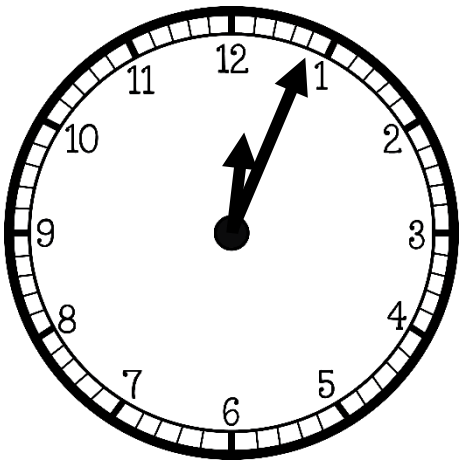

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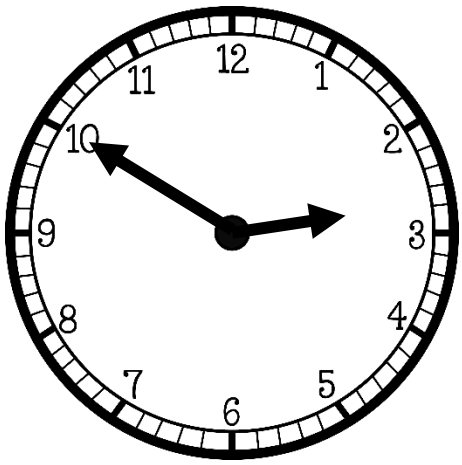
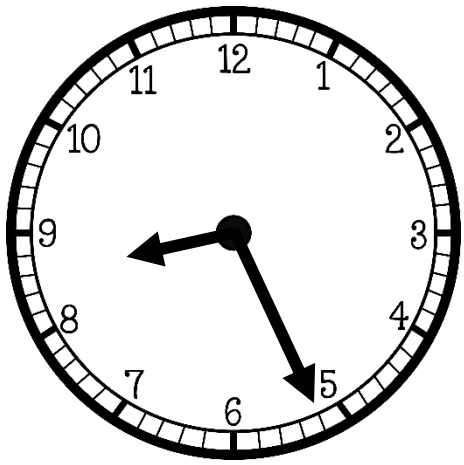


75.



Comparing Fractions

Fraction Basics:

Fractions are used to show part of a whole.

$$\frac{\text{numerator}}{\text{denominator}}$$

ex: What fraction of the rectangle is shaded?

3 shaded sections

4 total sections

→ $\frac{3}{4}$

Comparing Fractions:

$<$ less than $>$ greater than $=$ equal to

- Fractions with the same denominator:
  - The fraction with the *greater numerator* is GREATER than the other fraction.

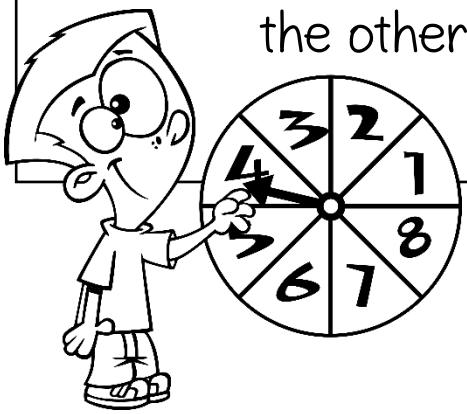
ex: compare $\frac{1}{3}$ $<$ $\frac{2}{3}$

$\frac{1}{3}$ is LESS THAN $\frac{2}{3}$

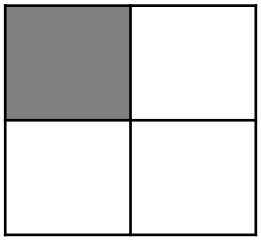
- Fractions with the same numerator:
  - The fraction with the *smaller denominator* is GREATER than the other fraction.

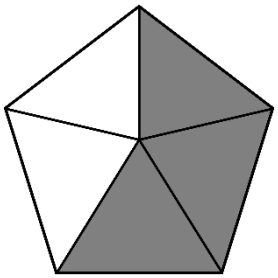
ex: compare $\frac{1}{2}$ $>$ $\frac{1}{3}$

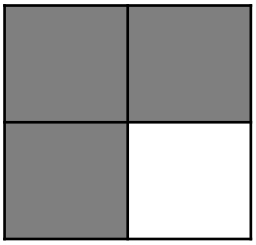
$\frac{1}{2}$ is GREATER THAN $\frac{1}{3}$

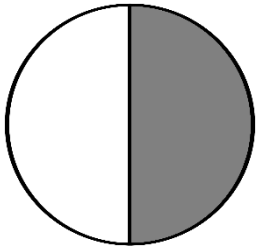


Write a fraction to represent the shaded part of each shape.

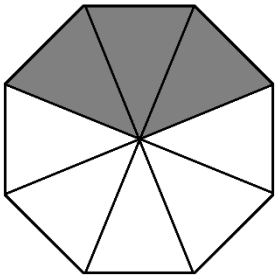
76. 

77. 

78. 

79. 

80.

81. 

Compare each pair of fractions using <, >, or =.

82. $\frac{3}{5}$ ◯ $\frac{2}{5}$

83. $\frac{1}{4}$ ◯ $\frac{3}{4}$

84. $\frac{5}{8}$ ◯ $\frac{7}{8}$

85. $\frac{2}{3}$ ◯ $\frac{1}{3}$

86. $\frac{5}{10}$ ◯ $\frac{9}{10}$

87. $\frac{4}{6}$ ◯ $\frac{4}{6}$

88. $\frac{2}{9}$ ◯ $\frac{2}{3}$

89. $\frac{2}{3}$ ◯ $\frac{2}{4}$

90. $\frac{3}{8}$ ◯ $\frac{3}{6}$

91. $\frac{1}{5}$ ◯ $\frac{1}{3}$

92. $\frac{4}{8}$ ◯ $\frac{4}{10}$

93. $\frac{5}{6}$ ◯ $\frac{5}{12}$

Perimeter & Area

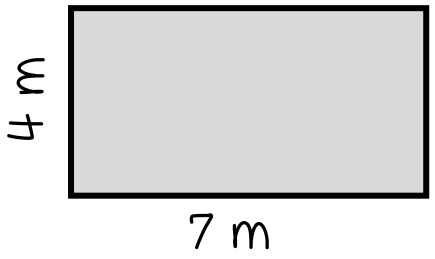
Perimeter

- Perimeter is the distance *around* a figure.
- To find the perimeter of a rectangle, add up all the side lengths.
- Label your answer with the same units as the side lengths.

Area

- Area is the space *inside* a figure.
- To find the area of a rectangle, multiply the length and width.
- Label your answer with square units.

ex: Find the area and perimeter.



Perimeter:

$4 + 7 + 4 + 7 = 22$

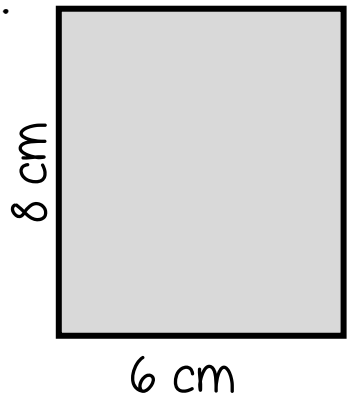
Area:

$4 \times 7 = 28$

→ P= 22 m
A= 28 sq. m

Find the perimeter and area of each rectangle.

94.



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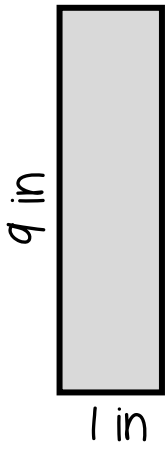

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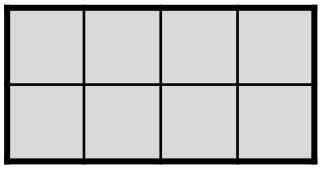

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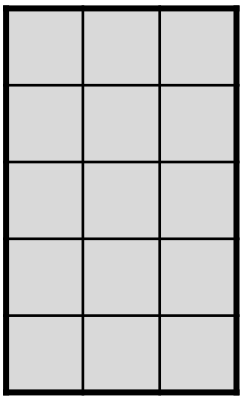

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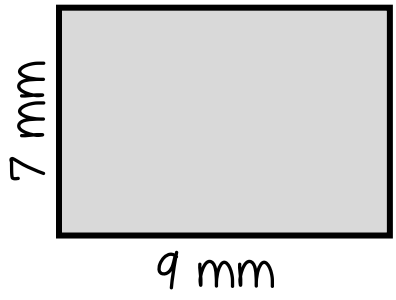

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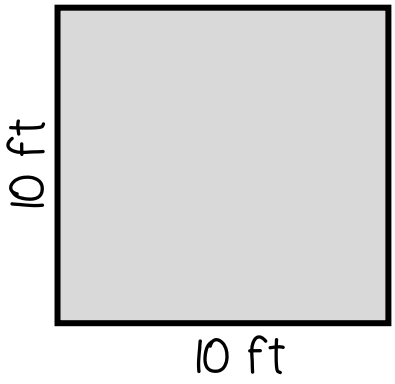
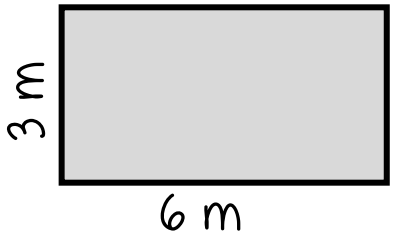


100.



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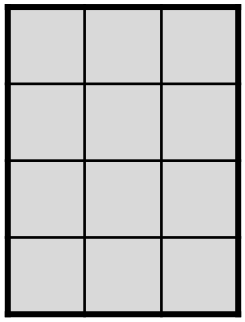

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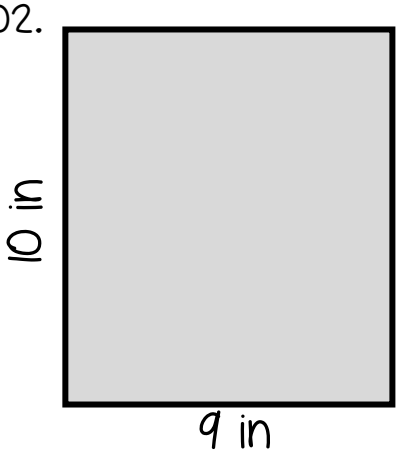

Word Problems

1. Read the problem carefully.

2. Determine what the question is asking & identify the important information you are given.

3. Decide which operations (addition, subtraction, multiplication, or division) you need to use, or pick from a strategy below to help solve the problem.
    - Draw a picture/diagram
    - Make an organized list
    - Look for a pattern
    - Act out the problem
    - Create & use a table or graph
    - Guess and check
    - Work backwards

4. Solve the problem & label your answer.

5. Check to see if your answer makes sense.

Solve each word problem.

103. Mrs. Jones has 4 packs of pencils. Each pack contains 9 pencils. How many pencils does she have in all?	104. Trevon watched a movie that was 2 hours and 15 minutes long. If the movie started at 1:55 PM, at what time was the movie over?	105. Sofia went strawberry picking. She gave her mom 6 strawberries and gave her grandmother 5 strawberries. If she had 8 strawberries left, how many strawberries did Sofia pick in all?
106. 40 students signed up for the school volleyball tournament. The students were broken up into 5 teams. How many students were on each team?	107. Sienna bought three shirts for $8 each and one skirt that cost $15. How much money did she spend in all?	108. John got to the bus stop at 7:47 AM. The bus picked him up at 8:05 AM. How long was John waiting at the bus stop?
109. Devon earned 565 points in his favorite video game on Monday. On Tuesday, he earned 730 points in the game. How many more points did Devon earn on Tuesday than on Monday?	110. Jillian is helping her father make a garden in their backyard. Their garden is 8 feet long and 5 feet wide. They want to put wood edging around the garden. How much wood do they need?	111. Jack had two packs of water balloons. There were 40 water balloons in each pack. He and his friends used 62 of the water balloons in a big water fight. How many water balloons does Jack have left?