

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

Date: \_\_\_\_\_

ELA – Jones

7<sup>th</sup> Grade Summer Packet

Dear students and parents of the incoming 7<sup>th</sup> grade classes,

Over the summer break, **you are to read *The Book Thief* by Markus Zusak and write a one-paragraph summary (5-8 sentences) of the story. To accompany the summary, you will present a project of your choice to the class.** Your summary should include the 5 plot stages with the central idea and 3 key details. Attached to this packet is a graphic organizer to help you with your summary. Your summary must be proofread and should not include your own opinion. Finally, you will need to present your novel to the class in one of the following unique ways:

- Choose a section of dialogue from your favorite chapter. Create a comic strip with at least 5 boxes illustrating the dialogue. The comic strip should be neat and colorful. Attach a 1 paragraph analysis of what is happening in the comic strip and how this dialogue impacted the plot of the novel.
- Write at least 10 words in a collage format that describe one of the characters on a piece of paper in colorful markers or color pencils with the character's name in the center. Add at least 5 different pictures to the collage. Attach a 2 sentence explanation of each of the words you chose on a separate piece of paper.
- Using drawings or photographs, make an illustrated timeline of at least 8 events from the novel.
- Write 2 journal entries (3 detailed and well-written paragraphs each) from a character's perspective about specific experiences from an important chapter. One entry should be about the beginning of the book and that other entry should be about the end.

Again, the full completed assignment is due on the **first day of school**. This is 30% of your first marking period grade. A rubric for this assignment is below. Late assignments will not be accepted. I hope you have a restful and enjoyable summer!

See you in September!

Mrs. Jones

**Rubric:**

	<b>4</b>	<b>3</b>	<b>2</b>	<b>1</b>
<b>Summary</b>	The summary includes the central idea, key details, and major events. It is written in your own words. It is proofread and free of errors.	The summary includes the central idea and details. It is written in your own words. It has a few errors, but it is not difficult to read.	The summary includes the central idea. It may have too many or too little details. It has many errors.	The summary has your opinion included. It has too many errors making it difficult to read.
<b>Project</b>	The project was complete and interesting.	The project was complete.	The project was lacking in some areas.	The project was not complete.
<b>Presentation Delivery</b>	Your presentation delivery was clear and understandable.	Your presentation delivery was understandable.	Your presentation delivery was a little hard to understand.	Your presentation delivery was not understandable at all.
<b>Effort</b>	You put a lot of obvious effort into your summary, project, and presentation delivery.	You put good effort into your summary, project, and presentation delivery.	You put little effort into your summary, project, and presentation delivery.	You did not put appropriate grade level effort into your summary, project, and presentation delivery.

You can use the following graphic organizer to help you compose your summary.

Title and Author
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Setting	Central Idea
Characters	

Exposition:
Rising Action:
Climax:
Falling Action:
Resolution:

Key Detail 1:
Key Detail 2:
Theme:



Middle Schoolers,

The attached packet provides a range of questions that review and expand on the Math concepts you have learned this past school year. You must show your work next to each multiple choice problem. Questions that only have an answer circled will not be accepted. Open ended questions must be labeled Step 1, Step 2.. to organize your thinking.

This packet will be due on the first day of school, September 9, 2019. This will be 30% of your first marking period grade. **Packets that are late will not be accepted.**

Enjoy your summer,

Your Middle School Math Teacher

1. Jerome uses the formula  $I = prt$  to find  $I$ , the interest earned, when he saves  $p$ , the principal of \$456, for  $t$  years at a rate,  $r$ , of 3%. What is the value of  $I$  when  $t = 2$ ?
- A \$13.68
  - B \$27.36
  - C \$469.68
  - D \$483.36
2. If  $w = 45$ , what is the value of  $2(w - 7)$ ?
- A 38
  - B 52
  - C 76
  - D 83
3. Which expression has the LEAST value when  $x = 6$ ?
- A  $2x + 10$
  - B  $3x + 3$
  - C  $4x - 2$
  - D  $5x - 10$

4. John uses the expression  $1.75 + 0.95y$ , where  $y$  is the age of the comic in years, to estimate the value, in dollars, of his comic books.

Use this expression to find the approximate value of a 12 year old comic book.

- A \$32.40
- B \$14.70
- C \$13.15
- D \$11.40

5. Evaluate the expression if  $n = 8$ .

$$n + \frac{1}{4}$$

- A 2
- B  $\frac{9}{4}$
- C  $\frac{31}{4}$
- D  $\frac{33}{4}$

6. Which of these expressions is equivalent to  $4m + 8m$ ?

- A  $12m$
- B  $12m^2$
- C  $32m$
- D  $32m^2$

7. Rachel and Mack studied the two expressions below.

$$\frac{x - 0.25x}{0.75x}$$

Rachel found that the two expressions are equivalent when  $x = 0$ . Mack found that they are equivalent when  $x = 1$ . Which student is correct?

- A Rachel is correct because the two expressions are equivalent only when  $x = 0$ .
  - B Neither are correct because the two expressions are not equivalent for any values of  $x$ .
  - C Mack is correct because the two expressions are equivalent only when  $x = 1$ .
  - D Both are correct because the two expressions are equivalent for all values of  $x$ .
8. Which set of numbers makes the inequality below true?

$$5p - 4 \geq 14$$

- A (1, 2, 3)
- B (4, 5, 6)
- C (3, 4, 5)
- D (0, 1, 2)

9. Hannah wrote down the set of numbers below.

$$(3, 4, 5, 6)$$

Her friend wrote down the equation below.

$$4x + 2 = 18$$

Which number from Hannah's set makes the equation true?

- A 3
- B 4
- C 5
- D 6



10. A taxi cab charges a flat rate of \$3 in addition to \$1.80 per mile,  $m$ , traveled. Jennifer has no more than \$25 to spend on a ride. Which inequality represents Jennifer's situation?
- A  $\$3 + 1.80m \geq \$25$
  - B  $\$3 - 1.80m \geq \$25$
  - C  $\$3 + 1.80m \leq \$25$
  - D  $\$3 - 1.80m \leq \$25$
11. The sports program has a balance of \$500. Kenny needs to buy basketballs,  $b$ , that cost \$25 for practice. Kenny hopes to have at least \$200 after purchasing the necessary basketballs. Which inequality represents Kenny's situation?
- A  $500 + 25b \geq 200$
  - B  $500 - 25b \geq 200$
  - C  $500 - 25b \leq 200$
  - D  $500 + 25b \leq 200$
12. Aubrey's dog weighs more than 56 pounds. Which inequality correctly represents the possible weight,  $w$ , of her dog?
- A  $w < 56$
  - B  $w > 56$
  - C  $56 = w$
  - D  $56 > w$

13. Albert needs to make a grade of more than 90 to get an A in his math class. Which of the following represents  $g$ , the grade Albert needs?

A  $g < 90$

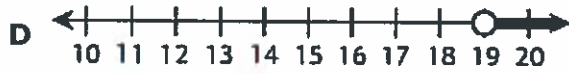
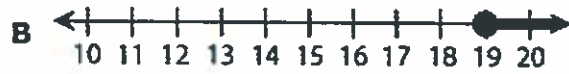
B  $g = 90$

C  $g > 90$

D  $g - 90$

14. Which number line represents the solution to the inequality below?

$$c < 19$$



15. Jane is studying the weather in Alaska. She has recorded the temperature for four days in January, in degrees Fahrenheit, as shown in the table.

Day	Monday	Tuesday	Wednesday	Thursday
Temperature	-5°F	-1°F	3°F	5°F

Jane claims that as the week progressed the temperatures increased from below zero to above zero.

Which of the following statements provides support for Jane's claim?

- A Thursday had the lowest temperature below zero.
  - B On Wednesday and Thursday the temperature was below zero.
  - C The temperature was above zero on all of the days.
  - D On Monday and Tuesday the temperature was below zero.
16. Mrs. Smith had the following transactions during the week:

Day of the Week	Deposit or Withdrawal
Monday	Deposit \$750
Tuesday	Withdrawal \$348
Wednesday	Withdrawal \$201
Thursday	Deposit \$145

What is the sum of all the transactions for the week?

- A \$1444
- B \$895
- C \$549
- D \$346

17. What is the difference in temperature between City #1 and City #2?

City	Temperature
City #1	-8° F
City #2	25° F
City #3	43° F
City #4	-16° F

- A 17°
- B 23°
- C 27°
- D 33°
18. A hiker begins in Spring Valley (-87 feet below sea level) and climbs up to King's Peak (+219 feet above sea level). What is the change in elevation?
- A 132 feet
- B 232 feet
- C 296 feet
- D 306 feet
19. A submarine starts at sea level and dives to a depth of 310 feet below sea level. It then rises 240 feet. What is the current location of the submarine?
- A 650 feet below sea level
- B 550 feet below sea level
- C 170 feet below sea level
- D 70 feet below sea level

20. Yesterday, the temperature reached a high of  $51^{\circ}\text{F}$ . Last night, the temperature dropped to  $-12^{\circ}\text{F}$ . How many degrees did the temperature drop?
- A  $63^{\circ}\text{F}$
  - B  $39^{\circ}\text{F}$
  - C  $-39^{\circ}\text{F}$
  - D  $-63^{\circ}\text{F}$
21. Stephen compared the volume, in cubic inches, of two rectangular prisms. He found that the ratio of the volume of prism  $M$  to the volume of prism  $N$  was 3 to 4. Which statement describes the meaning of the ratio Stephen found?
- A For every 4 cubic inches in prism  $M$ , there are 3 cubic inches in prism  $N$ .
  - B The volume of prism  $M$  is 4 cubic inches and the volume of prism  $N$  is 3 cubic inches.
  - C For every 3 cubic inches in prism  $M$ , there are 4 cubic inches in prism  $N$ .
  - D The volume of prism  $M$  is 3 cubic inches and the volume of prism  $N$  is 4 cubic inches.
22. Mr. McIntyre had some colored pencils for his students to use.

**COLORED PENCILS**

Color	Number of Pencils
Blue	8
Green	4
Orange	6
Red	6

What is the ratio of the number of red pencils to the number of orange and blue pencils?

- A 2:3
- B 3:2
- C 7:3
- D 3:7

- 23.** Mr. Yang purchased 5 pounds of grapefruit for \$4.90. At this price, how much will 7 pounds of grapefruit cost?
- A** \$0.98
  - B** \$3.50
  - C** \$6.86
  - D** \$7.98
- 24.** Javier drove 300 miles on 15 gallons of gas. At this rate, how many miles can he travel on 25 gallons?
- A** 675 miles
  - B** 375 miles
  - C** 180 miles
  - D** 500 miles
- 25.** Javier drove 299.6 miles on 14 gallons of gas. At this rate, how many miles can he travel on 25.5 gallons?
- A** 164.4 miles
  - B** 167.4 miles
  - C** 533.9 miles
  - D** 545.7 miles

26. Kelly purchased 6 planters for a total of \$18. She wants to purchase another 16 planters at the same unit price. How much will 16 planters cost?
- A \$48
  - B \$38
  - C \$18
  - D \$28
27. Carlos needs to save an additional \$565 before he can purchase a car for his son. He plans to save \$25 each week. At this rate, at the end of how many full weeks will he have enough money to purchase the car?
- A 20
  - B 22
  - C 23
  - D 25
28. During a winter storm, a ski resort received 9 inches of snow in 12 hours. The snow fell at a steady rate. How many inches of snow fell each hour?
- A 0.75
  - B 9
  - C 1.77
  - D 3

29. Eight rolls of paper towels cost \$4.80. At the same unit rate, how much will six rolls of paper towels cost?

Describe the steps that you took to determine your answer.



30. Two percents are shown below:

1. 25% of 60
2. 10% of 150

Are these amounts equivalent? Explain why or why not.





- 31.** A large pond is full of fish. If there are 6 carp in the pond, and this value represents 20% of the fish in the pond, what value represents 100%?

**What does this value mean in terms of the context of the fish?**



- 32.** There are 25 students in Mrs. Murphy's math class. Of these students, 10 have brown hair, 8 have black hair, 5 have blonde hair, and 2 have red hair. What percentage of students in Mrs. Murphy's class have blonde hair?
- A** 8%
  - B** 20%
  - C** 40%
  - D** 80%
- 33.** Collin is collecting rocks for a science project. So far, he has collected 36 rocks, which is 90% of the total he needs. How many total rocks does Collin need for his science project?
- A** 4
  - B** 40
  - C** 76
  - D** 400

- 34. Marco is interviewing classmates for a science project. He needs to have interviewed a total of 30 classmates this week to make sure his findings are accurate. Every interview takes Marco 7.2 minutes to complete. On Wednesday, Marco estimated that he has completed about 45% of his interviews.**

**Part A:**

**About how many classmates was Marco able to interview in the beginning of the week?**

**Part B:**

**Using the information you calculated in Part A, how many more minutes does Marco have left to spend on his project this week?**

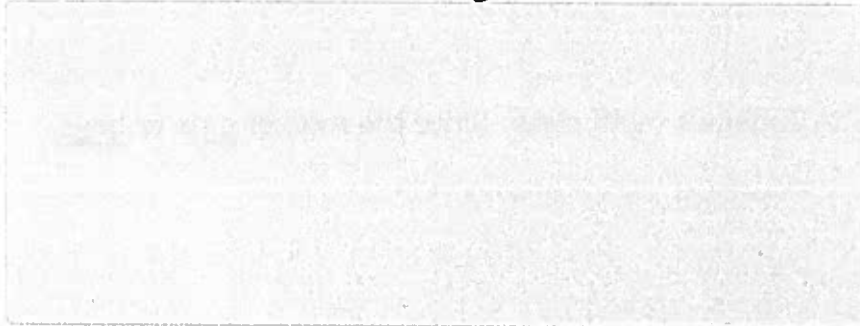


- 35. Your school is hosting a bake sale this weekend. You are in charge of determining what type of baked goods your school should sell. In your decision you need to consider the following:**
- the total cost to make each baked good
  - the total profit from selling each baked good

The total cost to make each baked good is shown in the table below.

Baked Good	Total Cost
Muffins	\$1.75
Cookies	\$1.25
Cakes	\$1.00

For the bake sale, your principal would like to sell each baked good for \$4.00. He also mentions that each baked good that is sold needs to yield at least a 60% profit. Based on this information, which of the baked goods could be sold at the bake sale? Explain how you know whether or not each baked good meets or does not meet the criteria for being sold at the bake sale.



36. Justin earns at least \$3 for each chore he does at home. Let  $x$  represent the amount of money Justin earns for doing one chore. Write an inequality to represent the amount of money Justin earns. Graph your inequality on the number line provided.

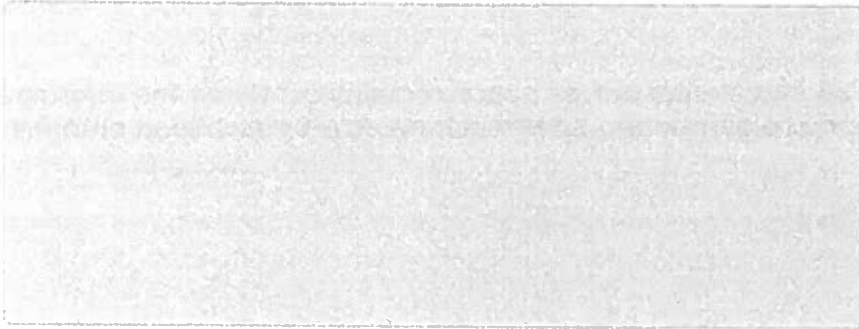


37. There are 10 boys and 11 girls in Eugene's math class. Write the ratio of girls to boys.

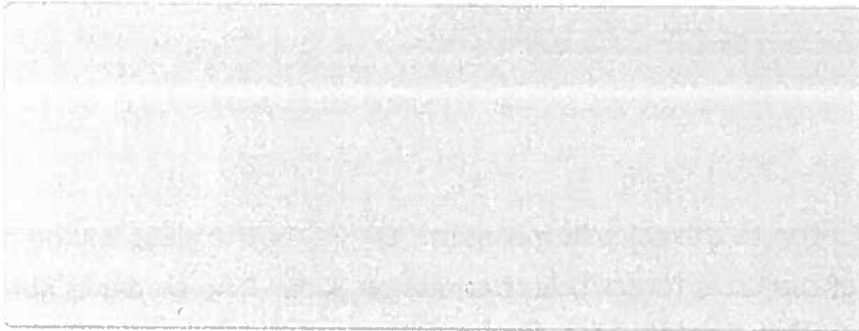


**38.** Mario started with the expression  $10(x - y) + 5(x - 7y)$ , applied several steps, and simplified the expression to  $15x - 45y$ .

A. Write the steps that Mario used in his problem-solving process to obtain  $15x - 45y$  and identify the properties used in each step.



B. Why do you know that Mario's simplified expression cannot be simplified any further? Explain your reasoning.



39. Mitchell has recorded the size of the five games downloaded on his phone:

6.35 megabytes, 4.15 megabytes, 5.2 megabytes, 6.85 megabytes, 5.95 megabytes

Part A:

What is the average size of the games?

Part B:

Mitchell knows that he has 27.36 megabytes of free space remaining. Using the information you found in Part A, how many more games should Mitchell be able to download onto his phone?



40. A sixth grade class is planning a trip to the science museum. Only  $\frac{2}{3}$  of the class will be going on the field trip since the rest of the class forgot their permission slips. The students going on the field trip will be transported by school vans. Each van can hold  $\frac{1}{4}$  of the entire class. How many vans will be required?

