



Olga Hugelmeyer
Superintendent of Schools

Jenny Reguinho
Principal

Dear Students, Parents & Guardians:

We hope the summer months provided some special family time and rest as we prepared for 6th grade at Terence C. Reilly Gifted and Talented School No. 7! *To prepare for the upcoming year, each student must be prepared every day with these items.* Each sixth grade student **MUST have an agenda book**; below is a list of supplies required for incoming sixth graders:

Individual Supplies: Entire School Year

- | | | |
|--|---|---|
| ☐ Pencils and eraser | ☐ Colored highlighters | ☐ 3 x 3 Post-it (sticky notes) |
| ☐ Glue sticks | ☐ Scotch tape (pack of 6) | ☐ Post-it tabs |
| ☐ Pencil case | ☐ 2 pocket folders | ☐ Headphones or earbuds |
| ☐ Hand-held sharpener | ☐ 2 packs of 100 index cards | |

Individual Supplies: MP1 AND MP2: (September)

- ☐ 3 One-subject spiral notebooks with holes (No FiveStar or multi-subject notebooks)
- ☐ 6 Composition notebooks (100 PAGES)

Individual Supplies: MP3 AND MP4:

- ☐ 3 One-subject spiral notebooks with holes (No FiveStar or multi-subject notebooks)
- ☐ 4 Composition notebooks (100 PAGES)

Homeroom Items: 3 boxes of tissues 1 container of Wet Ones/ baby wipes

Only Mp1 and Mp2 notebooks and individual supplies are needed come September along with the Homeroom items. We will notify students when to bring MP3 AND MP4 supplies into school.

Summer reading and math packets are strongly recommended. The packets will be collected on the first day of school and will count towards extra credit. Good organization, being prepared with needed supplies, and checking PowerSchool weekly will contribute to a smooth transition into middle school. Your 6th grade teachers anticipate an exciting year filled with new adventures and fantastic learning experiences. Let's work together to make sure your child gets everything needed to be successful in the 2022-2023 school year!

Terence C. Reilly School No. 7

436 First Avenue • Elizabeth, New Jersey 07206 • Ph: 908.436.6030 • Fax: 908.436.6012

Signposts Notice and Note Tracking Sheet

Memory Moment

A memory interrupts the flow of the story, but reveals something important about the character or plot.

Stop and Ask Yourself: Why might this memory be important?

Direct Quote from text	Pg. # Chapter	What memory came to the character's mind?	Why do you think this memory is important to the character or to the story?
	Pg. _____ Date: _____		

Words to the Wiser

A wiser, often older, character shares his or her experience, wisdom, or lesson about life with the main character, hoping to guide him or her through a difficult decision.

Stop and Ask Yourself: How could this advice affect the character?

Direct Quote from text	Pg. # Chapter	What advice or insight did the wiser character share?	How do you think this will affect the main character or the one who receives the advice?
	Pg. _____ Date: _____		

Tough Questions

A time when the main character asks him or herself, or someone else, a tough question (one that does not have an easy answer).

Stop and Ask Yourself: What does this tough question make me wonder about?

Direct Quote from text	Pg. # Chapter	What did you wonder about when you thought about the question?	How is this question important to the story and how do you think the character will answer it?
	Pg. _____ Date: _____		

Signposts Notice and Note Tracking Sheet

Aha Moment

A character's insight or sudden understanding reveals something important about the character or plot.

Stop and Ask Yourself: Why might this realization be important?

Direct Quote from text	Pg. # Chapter	What realization came to the character's mind?	How is this realization likely to be important to the story?
	Pg. _____ Date: _____		

Contrasts and Contradictions

The character acts in a way that contradicts how he or she has acted before or that contrasts with how we would act or that reveals a difference among the characters.

Stop and Ask Yourself: Why did the character act or feel that way?

Direct Quote from text	Pg. # Chapter	What was unexpected about the action/feeling?	Why do you think the character acted/felt that way?
	Pg. _____ Date: _____		

Again and Again

Events, images, or particular words that reoccur over a portion of the novel.

Stop and Ask Yourself: Why might the author bring this up again and again?

Direct Quote from text	Pg. # Chapter	Why do you think the author keeps repeating this word, phrase, image, idea, or situation?	What does this Again and Again signpost lead you to think is going to happen later on?
	Pg. _____ Date: _____		

Math Work - July 2022

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
June 26th - July 2nd ...Enjoy a few days off because you've worked hard this school year!						
3 Week 1 Math Module: Arithmetic Operations	4 Video/Strategy: Multiplying and Dividing Mixed Numbers: youtu.be/e0_TbQa6tRM and Multiplying and Dividing Decimals: youtu.be/wRIP45Z0MPc	5 Practice Problem: Week 1	6 Game: http://tinyurl.com/ydoe8sy Play any fraction or decimal game.	7 Open-Ended Problem – Week 1	8 Khan Academy: Math – 6 th – Arithmetic Operations	9 Catch-up
10 Week 2 Math Module: Negative Numbers	11 Video/Strategy: Multiplying and Dividing Positive and Negative Numbers: youtu.be/sEU5uaf-Tu4	12 Practice Problem: Week 2	13 Game: http://tinyurl.com/7fqn6mh Play any integer game.	14 Open-Ended Problem – Week 2	15 Khan Academy: Math – 6 th – Negative Numbers	16 Catch-up
17 Week 3 Math Module: Variables & Expressions	18 Video/Strategy: Evaluating Algebraic Expressions: youtu.be/fZDWcU0i0o4	19 Practice Problem: Week 3	20 Game: Expressions http://tinyurl.com/pm86xq2	21 Open-Ended Problem – Week 3	22 Khan Academy: Math – 6 th Variables & Expressions	23 Catch-up
24 Week 4 Math Module: Equations & Inequalities	25 Video/Strategy: Solving Equations with Variables on Both Sides of the Equation: youtu.be/fDMxOIS5g7k and Graphing Inequalities: youtu.be/nif2PKA9bXA	26 Practice Problem: Week 4	27 Game: http://tinyurl.com/7fqn6mh Play any equations game.	28 Open-Ended Problem – Week 4	29 Khan Academy: Math – 6 th – Equations & Inequalities	30 Catch-up

*If game link do not open, you should work on practice problem from yesterday or get a head start for tomorrow's open ended problem.

Math Work - August 2022

Sunday

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

August 28th – September 8th: Make sure you finish all your math work!

*If game link do not open, you should work on practice problem from yesterday or get a head start for tomorrow's open ended problem.

31	Week 5 Math Module: Ratios, Rates & Percentages	1 <u>Video/Strategy:</u> Ratios, Rates & Proportions: youtu.be/DQz1z9cmBpI	2 <u>Practice Problem:</u> Week 5	3 <u>Game:</u> Choose Scale Factor X or Thinking Blocks under 6 th Grade Ratios and Proportional Relationships tinyurl.com/1s6dz22	4 <u>Open-Ended Problem:</u> Week 5	5 <u>Khan Academy:</u> Math – 6 th – Ratios, Rates & Percentages	6 Catch-up
7	Week 6 Math Module: Area of Figures	8 <u>Video/Strategy:</u> Area of Polygons: youtu.be/DqG1bLOuhew	9 <u>Practice Problem:</u> Week 6	10 <u>Game:</u> Party Designer https://tinyurl.com/1yd6tmi59	11 <u>Open-Ended Problem:</u> Week 6	12 <u>Khan Academy:</u> Math – 6 th – Geometry – Area (all area topics)	13 Catch-up
14	Week 7 Math Module: Surface Area & Volume	15 <u>Video/Strategy:</u> Surface Area and Volume of Rectangular Prisms: youtu.be/yztQDwz4thQ	16 <u>Practice Problem:</u> Week 7	17 <u>Game:</u> Volume of a cube and rectangular prisms (7.144) tinyurl.com/hd8mv4l and Surface Area (7.145) tinyurl.com/h6cmv3v	18 <u>Open-Ended Problem:</u> Week 7	19 <u>Khan Academy:</u> Math – 6 th – Geometry – Surface Area & Volume	20 Catch-up
21	Week 8 Math Module: Data & Statistics	22 <u>Video/Strategy:</u> Box-and-Whisker Plots: youtu.be/lve6_u1-b8o	23 <u>Practice Problem:</u> Week 8	24 <u>Game:</u> tinyurl.com/18ha76w Play any game in 6 th grade section.	25 <u>Open-Ended Problem:</u> Week 8	26 <u>Khan Academy:</u> Math – 6 th – Data & Statistics	27 Catch-up

Week 1: Arithmetic Operations

Practice Problems

1. The Robinsons family drove for 4000 miles. This was $\frac{4}{5}$ the distance the Jones family drove. How many miles did the Jones family drive?

2. There were 108 flowers. $\frac{4}{9}$ of the flowers bloomed. How many did not bloom? How many did bloom?

3. You have $\frac{3}{4}$ cup of jelly worms and a recipe that calls for $\frac{1}{2}$ cup of jelly worms. How many batches of your recipe can you make?

4. Find the quotient of $28.5 \div 7$ to the nearest hundredth without a calculator. Show your work.

Open-Ended Problem

Amanda is making flower arrangements. She has 20 daisies, 16 roses, and 36 tulips. Each arrangement must have the same number of daisies, the same number of roses, and the same number of tulips. She wants to use all the flowers. What is the greatest number of arrangements she can make? How many flower of each kind would be in each arrangement? Show all work.

Open-Ended Problem

Each unit on a coordinate plane represents one mile. One end of a road starts at $(-12, -3)$. The road ends at $(6, -3)$. How long is the road. Show all work or explain.

Practice Problems

1. The absolute value of a number is its distance from 0 on the number line (no sign, just value). Compare the absolute value of 7 and -7.
2. Order the integers from least to greatest:
-10, -12, 13, -5, 7, 1, -2, 4
3. Find the sums and differences:
 - a. $-17 + -23 =$ _____
 - b. $-9 + 2 =$ _____
 - c. $-14 - 10 =$ _____
 - d. $6 - -3 =$ _____
 - e. $-8 * -7 =$ _____
 - f. $45 \div -15 =$ _____
4. From sea level, a helicopter rises to an elevation of 125.8 meters. Then it descends 125.8 meters. What is the elevation of the helicopter after it descends? Explain.

Week 3: Variables & Expressions

Practice Problems

1. Write the following as an expression: Subtract y from 5.

2. How many coefficients are in the expression $5x^3 - 2x^3 + 6x - 4$?

3. Mila's dog weighs 4 pounds more than 8 times the weight of Keiko's dog. Which expression could be used to find the weight of Mila's dog?

- a. $8k + 4$ b. $4k + 8$ c. $4(8k)$ d. $4 + 8 + k$

4. Evaluate the expression $2ab + 3c$ when $a = 2$, $b = -5$, and $c = -1$.

5. Which of these expressions equal 15 when $x = \frac{1}{2}$ and $y = 3$? Circle all that apply.

$$4(2y - 4x) - 1$$

$$4x^2 + 2y^3 - 10$$

$$(x^2 + 1) + 2x + 3y$$

$$xy + 3\frac{1}{2} + 20x$$

Open-Ended Problem

Mandy has \$25 and she plans to save \$2 each week. Her brother Thomas has no money now, but he plans to save \$3 each week.

- Make a table that shows the amount of money Mandy and Thomas have every week for 10 weeks. Let m be the amount of money Mandy has and let y be the amount of money Thomas has.
- Write two different algebraic expressions to describe each person's savings.

Week 4: Equations & Inequalities

Practice Problems

1. Solve for n in the equation: $2n - 7 = -31$. Prove that your solution is correct.

2. Caroline charges \$15 per hour babysitting. Let h represent the number of hours she babysits and E represent how much she earns. Circle the statements that are TRUE.

- a. $h + 15 = E$ is the equation that represents how much Caroline earns after h hours.
- b. If Caroline babysits for 5 hours, she earns \$20.
- c. $15h = E$ is the equation that represents how much Caroline earns after h hours.
- d. If Caroline earns \$52.50, then she babysat for 3.5 hours.

3. Give 3 possible solutions of the inequality $x \geq -7$ and graph it on a number line.

Open-Ended Problem

Every time Luke puts a dime into the parking meter, he gets 10 minutes of parking time.

- Write an equation using p to represent parking time and d to represent the number of dimes.
- Make a table of values from 0 to 10 dimes.
- Graph the values where the x-axis shows the number of dimes and the y-axis shows the parking time.

Practice Problems

1. Luisa has 12 playing cards. She places 2 out of every 3 cards face-up on the table.



= face-up



= face-down

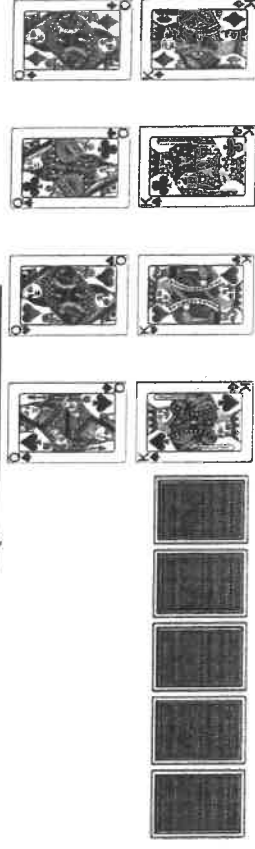
- A. Draw Luisa's cards, showing how many cards are face-up & how many are face-down.

- B. Luisa wants to change the ratio to 2 face-up cards to 3 face-down cards. How many cards does she need to add to the original 12 cards? Draw the solution.

2. Sylvester measured his pulse and found that his heart beat at a rate of 80 beats a minute at rest. At this rate how many days will it take his heart to beat 1,000,000 times? Show your work.

3. Sean goes to a restaurant with 3 friends and their food costs \$27.00. They have to pay 7% tax. What is their total bill?

Open-Ended Problem



1. Write each ratio as a fraction:

- A. The ratio of face-up cards to the whole set.
- B. The ratio of face-down cards to the whole set.
- C. The ratio of face-down cards to face-up cards.
- D. Add a drawing of some face-down cards so that the ratio of face-down to face-up cards is 3:4. Justify your answer.

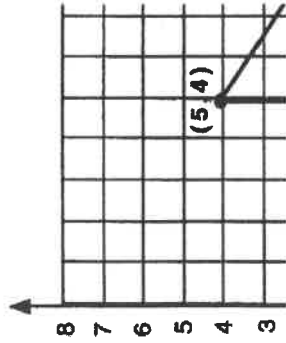
2. Samantha drew a 1:4 ratio. Stephan drew a ratio picture that had more than nine objects, but it was still a 1:4 ratio. Draw a picture to show what Stephan could have drawn.

3. What percent of the cards are face-up? Round to the nearest hundredth.

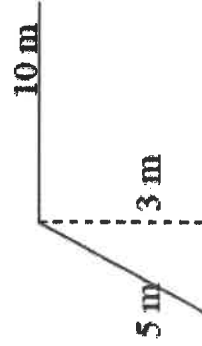
Practice Problems

1. Tate is planning to put a square garden with an area of 1,289 square feet in his back yard. What will be the length of each side of the garden? Show your work or explain.

2. What is the area of this triangle? Show your work or explain

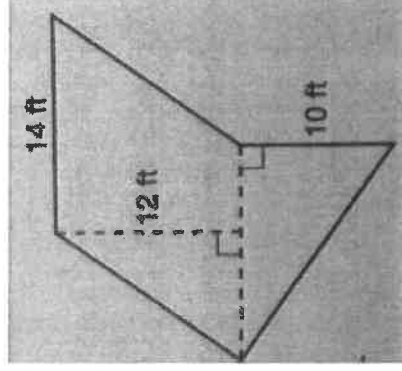


3. Find the area of the parallelogram. Show all your work.



Open-Ended Problem

Erik drew the diagram below of his irregularly shaped garden. What is the area of Erik's garden? Show all work.



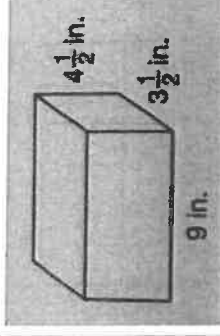
Week 7: Surface Area & Volume

Practice Problems

1. Find the surface area of a rectangular box with length 3.5 feet, width 3 feet and height 2.5 feet. Show all of your work
2. The floor of a rectangular storage bin has an area of 72 square feet. The volume of the bin is 720 cubic feet. How tall is the storage bin? Show your work or explain.
3. Use the formulas $V = s^3$ and $SA = 6s^2$ to find the volume and surface area of a cube with sides of length $s = \frac{1}{2}$ inch.
4. Explain why area is measured in square units, surface area is measured in square units, and volume is measured in cubic units.

Open-Ended Problem

A gift box shown below is packed with small cubic $\frac{1}{2}$ inch blocks. The blocks are packed tightly with no spaces between them.



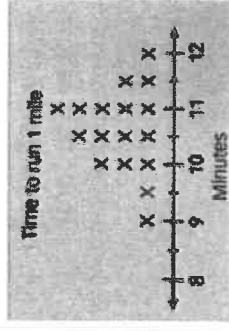
- A. How many blocks are in the gift box?
- B. What is the volume of the gift box?
- C. Find how much wrapping paper will be needed to wrap the gift box (hint: find surface area).

Practice Problems

1. Jamie's most recent 5 bowling scores are 85, 78, 65, 90, 65. Which measure has the greatest value? What is the Range, mean, median, and mode?

2. Sandra has 4 math tests this marking period. She received 90%, 87%, and 92% on the first three. What is the minimum score she needs on her last test in order to average at least a 90% in math class?

3. The line plot shows how long it took students in P.E. class to run 1 mile. Which of the statements below are TRUE? Circle all that apply.



- A. The median is 10.5
- B. The mean is 10.5
- C. The mode is 11
- D. The range is 3
- E. The line plot shows the time for 12 students

Open-Ended Problem

Richard asked several classmates how many songs they had on their MP3 players. The results are shown below.

A. Give the five-number summary and identify the interquartile range of his data.

B. Draw a box plot to show Richard's data.

97, 100, 105, 93, 95, 100, 100, 105, 91, 92, 115, 107, 199, 95, 100, 104, 97, 118, 92, 99