Super-Journal Week 4:5

Every night, you should be reading at least 30 minutes of whatever book you have checked out from your assigned reading list. Tape or glue (but do not staple) this sheet into your Super-Journal on the left-side page. Fill in the table below *every day* by recording the required data.

Day	Title	Start Pg.	End Pg.	Parent Sign.
Monday				
Tuesday				
Wednesday				
Thursday				
Friday				
Saturday				
Sunday				

On the right-side page of your Super-Journal, answer two of the questions below throughout the week. Be sure that the questions you choose to answer go with the appropriate type of book (Fiction or Nonfiction). The Super-Journal is due on the first day after the weekend (usually Monday). To earn credit for your journal entry, you *must* respond in at least five complete sentences per response and use **specific evidence from the text to support your claim** based on what you've read this week.

FICTION

1. What conflict or problem did you find in your reading?
2. Summarize what has happened so far in the story.
3. How did the characters solve the problem?

NONFICTION

4. What is the big idea the author has communicated in the text so far?
5. Write a summary of what you learned from the text this week.

RL.1.2/RI.1.2

Super-Journal Week 4:6

Every night, you should be reading at least 30 minutes of whatever book you have checked out from your assigned reading list. Tape or glue (but do not staple) this sheet into your Super-Journal on the left-side page. Fill in the table below *every day* by recording the required data.

Day	Title	Start Pg.	End Pg.	Parent Sign.
Monday				
Tuesday				
Wednesday				
Thursday				
Friday				
Saturday				
Sunday				

On the right-side page of your Super-Journal, answer two of the questions below throughout the week. Be sure that the questions you choose to answer go with the appropriate type of book (Fiction or Nonfiction). The Super-Journal is due on the first day after the weekend (usually Monday). To earn credit for your journal entry, you *must* respond in at least five complete sentences per response and use **specific evidence from the text to support your claim** based on what you've read this week.

FICTION

1. Who is telling the story in the selection?
2. Is the selection/story written in the first or third person? How do you know?

NONFICTION

1. Who is providing the information?
2. Is the information provided from a firsthand or secondhand account? How do you know?

RL.2.6/RI.2.6

Lesson 14-7 • Reinforce Understanding

Generate Numerical Patterns

Name _____

Review

You can use a table to record a numerical pattern.

Input (r)	Rule: $r + 100$	Output
0	$0 + 100$	100
20	$20 + 100$	120
40	$40 + 100$	140
60	$60 + 100$	160

Complete the input and output table.

1.

Input (a)	Rule: $a \div 3$	Output
12	$12 \div 3$	
15	$15 \div 3$	
18		
21		

2.

Input (k)	Rule: $6k$	Output
0	6(0)	
5		
10		
15		

3. Rule: $s + 10$

Input (s)	Output
0	
1	
2	
3	

4. Rule: $b - 8$

Input (b)	Output
40	
	22
	12
10	

Complete the input and output table.

3. Rule: $2g$

Input (g)	Output
21	
23	
25	
27	
29	
31	

4. Rule: $15 - w$

Input (w)	Output
2	
3	
4	
5	
6	
7	

How can you use the rule and output to determine the input?

5. Rule: $h + 9$

Input (h)	Output
	30
	31
	32
	33
	34
	35

6. Rule: $72 \div b$

Input (b)	Output
	2
	3
	4
	6
	8
	12

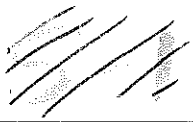
7. Rosemary saves 15 dollars of her allowance each week. How can you use the rule $15w$ to determine how much money Rosemary will save in the next four months? Explain.

Math @ Home Activity

Play a game with your child. Write an algebraic rule on each of 5 or more index cards. Take turns drawing a card and using the rule on the card to complete an input/output table. The person who did not create the input/output table must determine the algebraic rule that was used.

Energy	the ability to cause changes in matter
Environment	an area that includes all living organisms and the surrounding physical features such as air, water, soil, weather, and landforms
Erosion	the process by which rock, soil, and other weathered earth materials are moved from one place to another
Evaporation	the process by which water is changed from a liquid to a gas (water vapor); a stage in the water cycle
Experiment	a scientific test or procedure that is carried out under controlled conditions to answer a scientific question
Extinct species	a species that no longer exists
Fertilization	the process by which the female egg reproductive cell is united with the male reproductive cell (sperm or pollen)
Flower	the part of a flowering plant that enables it to reproduce
Food Chain	a diagram representing the transfer of energy from the Sun through producers and a series of consumers
Force	push or a pull that one object exerts on another object with or without direct contact. (friction, gravity)
Friction	a force that acts between two touching objects and that opposes motion
Galaxy	a group of billions of stars plus dust and gas

1 cm Graph Paper



Lesson 14-8 • Reinforce Understanding

Generate More Numerical Patterns

Name _____

Review

You can use the order of operations to generate a numerical pattern with 2 operations.

Input (s)	Rule: $5s - 3$	Output
1	$5(1) - 3 = 5 - 3 = 2$	2
2	$5(2) - 3 = 10 - 3 = 7$	7
3	$5(3) - 3 = 15 - 3 = 12$	12
4	$5(4) - 3 = 20 - 3 = 17$	17

Use the rule to complete the input and output table.

1.

Input (y)	Rule: $3y + 6$	Output
0	$3(0) + 6 = 6$	
1		
2		
3		

2. Rule: $4t + 2$

Input (t)	Output
0	
1	
2	
3	

3. Rule: $(p \div 10) - 3$

Input (p)	Output
50	
	7
	12
200	

How can you use the rule to complete the input and output table?

3. Rule: $3z \div 2$

Input (z)	Output
2	
4	
6	
8	
10	
12	

4. Rule: $20 - 2x$

Input (x)	Output
2	
3	
4	
5	
6	
7	

How can you use the rule and output to determine the input?

5. Rule: $3h + 9$

Input (h)	Output
	36
	39
	42
	45
	48
	51

6. Rule: $32 - 2r$

Input (r)	Output
	26
	22
	18
	14
	10
	6

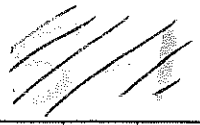
7. The cost of belonging to a gym is a $40 joining fee and then $25 per month. How much would it cost to belong to the gym for 6 months? Write a rule and create an input and output table to find the answer.

Math @ Home Activity

Have your child give you several input values, and then apply a rule and tell your child the output values. Encourage your child to record the input and output values. The goal is for your child to identify the rule that you are using.

Adaptation	a characteristic of an organism that increases its chances of survival in its environment
Air pressure	the weight of the atmosphere pressing down on Earth
Amphibian	a type of vertebrate that has moist skin, begins its life in water with gills, and develops lungs as an adult to live on land
Asteroid	an object that is found in the solar system, orbits the Sun, and is much smaller than a planet
Balanced forces	forces that are equal in size but opposite in direction
Behavior	a plant or animal action, reaction, or activity that occurs in response to stimuli
Bladder	an organ that stores urine and releases it from the body
Carnivore	an animal that obtains nutrients from eating other animals
Characteristic	a property or trait of an object or organism
Chemical change	process by which substances are changed into different substances with different properties
Chemical Energy	energy that is stored in matter and that can be released by a chemical reaction
Classify	to arrange in a specific order or group by categories based on similarities

1 cm Graph Paper



Cleavage	a mineral that breaks along straight, smooth lines
Climate	the average pattern of weather that occurs in a certain location over many years
Comet	an object made of rock, ice, dust, and gas that revolves around the Sun
Community	populations of different species of organisms living together in the same geographic area
Complete metamorphosis	type of insect development characterized by the presence of a larval stage with different feeding habits
Conclusion	a statement that tells what an investigation showed, based on observations and data
Condensation	the process by which water is changed from a gas (water vapor) to a liquid; a stage of the water cycle.
Conductor	a material that allows electric charges to pass through
Consumer	an organism in a food chain that obtains nutrients from producers or other consumers Consumers may be herbivores or carnivores.
Data	measurements of observations collected and recorded in an experiment or investigation
Ecosystem	all the living and nonliving things that interact with each other in an environment
Endangered Species	a species whose population is so small that it is in danger of extinction

1 cm Graph Paper