Kayden's Summer Packet

Week 1 | June 23–27, 2026

Welcome to Week 1 of your summer learning adventure!
This packet has math worksheets, a reading passage, a science lab, a writing prompt, and a progress tracker. Scan the QR code on any page to visit the interactive version on your dashboard.

Have fun learning!

This Week's Checklist	
■ Math Worksheet (Pages 2–4)	■ Reading Passage (Page 5)
■ Science Lab (Page 6)	■ Writing Prompt (Page 7)
■ Progress Tracker (Page 8)	■ Parent Signature

Scan for your interactive dashboard: https://hub23.pages.dev/summer-2026/math-mastery/

Weekly Calendar: June 23–27, 2026

Day	Math	Reading	Science	Writing	Extra
Monday	Math Worksheet	Reading Passage	Science Lab	Writing Prompt	Review & Coins
Tuesday	Math Game Online	Reading + Questions	Outdoor Exploration	Journal Entry	Choice Board
Wednesday	Math Worksheet	Reading Passage	Science Observation	Creative Writing	Review & Coins
Thursday	Math Practice	Reading + Vocab	Hands-On Activity	Writing Prompt	Choice Board
Friday	Math Review	Reading Passage	Science Lab	Final Draft	Weekly Celebration

Notes: ____

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Daily Choice Board

Pick one activity from each row every day!

Build a model	**Draw a diagram**	**Write a poem**	**Make a video**
Cook a recipe	**Do a puzzle**	**Read aloud**	**Go for a walk**
Play a math game	**Write a letter**	**Do a science experiment**	**Draw a comic**
Build with blocks	**Listen to a podcast**	**Plant a seed**	**Dance to music**

My Choices This Week:

Day 1: ______________________________

Day 2: ______________________________

Day 3: ______________________________

Day 4: ______________________________

Day 5: ______________________________

Math: Multiplication: Arrays & Visual Models

Page 1 — Concrete (Visual Models)

1. Draw an array with 4 rows and 7 dots in each row. How many dots total? Write the multiplication sentence.

2. Draw 3 groups of 8 stars. How many stars total? Write as repeated addition and multiplication.

3. Use tally marks: Make 6 groups of 5. Count the total. Write 6 × 5 = _______

Math: Multiplication: Arrays & Visual Models

Page 2 — Pictorial (Diagrams & Models)

1. Draw a number line and show 5 × 4 by making 5 jumps of 4. Label each jump and the landing spot.

2. Use an area model: Draw a rectangle with sides 4 and 9. Break it into 4×5 and 4×4. What is 4 × 9?

3. Draw a tape diagram: 7 boxes of crayons, 8 crayons each. How many crayons? Show the diagram.

Math: Multiplication: Arrays & Visual Models

Page 3 — Abstract & Word Problems

1. 6 × 7 = ______

2. 8 × 9 = ______

3. 4 × 12 = ______

4. 7 × 8 = ______

5. 9 × 6 = ______

WORD PROBLEMS:

6. Kayden has 5 packs of stickers. Each pack has 8 stickers. How many stickers total? Show your work.

7. A garden has 7 rows of plants. Each row has 6 plants. How many plants total? Show your work.

8. A box holds 4 rows of cookies with 9 cookies in each row. How many cookies? Show your work.

The Secret of Numbers: Place Value

Numbers are all around us. We use them to measure temperature, count money, and keep score in games. But have you ever stopped to think about what makes a number like 3,456 different from 6,543? The secret is place value.

Place value means that each digit in a number has a different value based on where it sits. In the number 3,456, the 3 is in the thousands place, so it means 3,000. The 4 is in the hundreds place, so it means 400. The 5 is in the tens place, so it means 50. The 6 is in the ones place, so it means 6. Move any digit to a different spot, and the whole number changes!

Place value also works with decimals. A decimal is a number with a dot called a decimal point. The digits to the right of the decimal point are worth less than one. The first digit after the decimal point is in the tenths place. The second digit is in the hundredths place. The third is in the thousandths place.

For example, in 2.35, the 3 is in the tenths place, so it means 3/10 or 0.3. The 5 is in the hundredths place, so it means 5/100 or 0.05. Add them together: 2 + 0.3 + 0.05 = 2.35. Understanding place value helps you compare numbers, add, subtract, and even round!

Place value is also important for rounding. Rounding means finding a number that is close to the exact number but easier to work with. To round a number, look at the digit to the right of the place you want to round to. If that digit is 5 or greater, round up. If it is less than 5, round down.

For example, to round 4,678 to the nearest hundred, look at the tens digit: 7. Since 7 is 5 or greater, round the hundreds digit up from 6 to 7. So 4,678 rounds to 4,700. This skill is useful when you need to estimate quickly, like figuring out if you have enough money for a purchase or guessing how many people are in a crowd.

Comprehension Questions (Answer below each question)

Comprehension Check: In the number 3,456, what does the 4 represent?

a) 4 ones

b) 4 tens

c) 4 hundreds

d) 4 thousands

Your answer (circle one or write your own): ___________________________________

Vocabulary Spotlight: The word digit appears in the chunk above. A 'digit' is any one of the symbols 0, 1, 2, 3, 4, 5, 6, 7, 8, or 9. In 3,456, how many digits are there?

Your answer:

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Connection: Think of your favorite number. What is each digit worth in its place? Try writing it out!

Your answer:

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Comprehension Check: In 2.35, what does the 5 represent?

a) 5 ones

b) 5 tenths

c) 5 hundredths

d) 5 thousandths

Your answer (circle one or write your own): ___________________________________

Vocabulary Spotlight: The word decimal appears in the chunk above. A decimal has a dot called a decimal point. Numbers to the right of the dot are smaller than one. What is 0.5 in words?

Your answer:

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Connection: Money uses decimals! If you have $2.35, what coins make up the 0.35 part?

Your answer:

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Comprehension Check: Round 4,678 to the nearest hundred. What do you get?

a) 4,600

b) 4,700

c) 4,680

d) 5,000

Your answer (circle one or write your own): ________________________________

Vocabulary Spotlight: The word estimate appears in the chunk above. Rounding helps you 'estimate' quickly. If you estimate that a crowd has about 500 people, are you giving an exact count or a rough guess?

Your answer:

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Connection: When do you use rounding in real life? Shopping? Sports scores? Time? Give an example!

Your answer:

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Science Lab: Floating Egg Experiment

Materials Needed:

- 1 egg
- 2 clear glasses
- Water
- Salt
- Spoon

Procedure:

1. Fill both glasses halfway with water.
2. Add 6 tablespoons of salt to one glass. Stir until dissolved.
3. Gently place an egg in each glass.
4. Observe: Which egg floats? Which sinks?
5. Record your observations below.

Observation Log

What happened to the egg in plain water? ___________________________________

What happened to the egg in salt water? ___________________________________

Why do you think the salt water made a difference? _________________________

What other liquids could you test? ____

Draw what you observed:

Writing Prompt: A Day in Ancient Greece

Prompt: Imagine you are a child living in Athens during the Golden Age. Write a diary entry about your day. What did you see? What did you do?

Word Bank: acropolis, theater, democracy, market, temple, philosopher, sculpture, olive

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Graphic Organizer:

Setting: Where are you? ____

Characters: Who is with you? ____

Morning: What did you do? ____

Afternoon: What did you see? ____

Evening: How did you feel? ____

Your Writing:

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Weekly Progress Tracker

Coin Tracker — Earn coins by completing each section!

Activity	Completed	Coins Earned
Math Worksheet	■	■■■
Reading Passage	■	■■■
Science Lab	■	■■■
Writing Prompt	■	■■■
Choice Board (3 days)	■	■■
TOTAL		**14 coins**

Weekly Reflection

What was your favorite activity this week? ________________________________

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What was the hardest thing? ____

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What do you want to learn next week? _____________________________________

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Parent / Guardian Signature

Signed by: ______________________________ Date: ____ __________

Parent Notes:

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