ELEMENTARY SUMMER LEARNING: GRADES 2 | 3

MATH - ANSWER KEY



Week 1: Launch Into Space!

Tuesday

Fill in the circle to show the <, >, or = symbol. Explain your results to a parent/sibling

- 794 > 520
- 291 > 289
- 24 < 56
- 1,245 < 1,301

Thursday

It took Spaceship One 65 seconds to reach the Moon. It took Spaceship Two 47 seconds.

- 1. Which Spaceship landed on the moon first? Spaceship #2
- 2. What was the **difference** in the amount of time between Spaceship 2 landing and Spaceship 1 landing? 65-47 = 18 seconds

Week 2: Under the Sea!

Monday

Subtract to find the Difference:

36	490
<u>- 15</u>	<u>- 272</u>
21	218

Add to find the Sum:

56	734
+23	<u>+ 126</u>
79	860

Wednesday

What would be 10 more than this number? What would be 100 more?

$$404 \rightarrow 414,504$$

$$192 \rightarrow 202, 292$$
 $58 \rightarrow 68, 158$

What would be 10 less than this number? What would be 100 less?

$$607 \rightarrow 597,507$$

$$104 \rightarrow 94, 4$$

 $899 \rightarrow 889,799$

Friday

Dive into your math challenge activity- "Got Your Number!"

Use your best perseverance to work through this challenge activity! You will need a deck of cards.

Complete/ Play game and check on your own, answers will vary.

Week 3: Travel Back in Time to See the Dinosaurs!

Tuesday

You travel back in time and see 8 triceratops dinosaurs! These dinos have 3 horns each. How many horns are there in all?

- Explain how you found your answer. Write out the multiplication/repeated addition number sentence that would go with this problem.

 $8 \times 3 \text{ or } 8 + 8 + 8 = 24 \text{ horns}$

Thursday

You are planting flowers in your garden. You plant four rows with eight flowers in each row.

- How many flowers are there in all? Draw a picture and write a number sentence to explain.

4 groups of $8 = 4 \times 8$ or 8+8+8+8

= 32 flowers

Week 4: Take a Camping Trip in the Mountains!

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| Holiday Week: June 29 - July 3 | Book Recommendation: "The Hiking Trip"

Math Recommendation: Practice Multiplication fact families (Groups Of)



Week 5: Visit the Rainforest!			
Monday	Wednesday	Friday	
In the Rainforest, you spot 9 Red-Eyed tree frogs ! How many <u>red</u> <u>eyes</u> do you see <u>in all?</u>	The pet store has 24 tropical fish ! They keep 4 fish in <u>each tank</u> . How many <u>tanks</u> are there?	Explore the Math Challenge Activity- "Miles of Tiles!"	
4 of the Red-Eyed tree frogs hop away. How many red eyes do you <u>see now?</u>	Draw a picture or write a number sentence, then explain how you solved this problem to a parent/sibling.	When you finish, explain how you solved the challenge to a parent or sibling.	
9x 2(2 eyes for each frog) = 18 eyes 9-4 = 5 red eye tree frogs 5 x 2 = 10 eyes	$24 \div 4 = 6$ fish or use repeated subtraction: $24-4-4-4-4-4=0$ (6 groups of 4)	Complete Math Challenge Activity- answers will vary.	

Week 6: Travel to the Desert!

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Tuesday

A pizza has 8 slices. You eat 3 of the slices. What fraction of the pizza is left? Draw to show your answer.

5 / 8 of the pizza is left.

If your brother or sister eats 2 more pieces, what fraction of the pizza is left now?

3/8 of the pizza would be left.

Thursday

There are 9 books that are fairy tales in the library. Kate checks out 3 of the books.

Draw and write the fraction of the library's fairy tale books that Kate has!

Written form: Kate has 3/9 or 1/3 of the library's fairy tale books.

Week 7: Go to a Big City!

Monday

Draw points on the fraction number lines to show $\frac{1}{2}$ and $\frac{3}{4}$.

Which fraction is larger? (Hint- the larger fraction is closer to 1)



The larger fraction is 3/4

Wednesday

Ben eats

 $\frac{4}{4}$ of his pizza. Claire eats her whole pizza. Who ate more?

Draw a picture and write or discuss your answer.

Ben and Claire ate the same amount- 4/4 is equal to 1 whole.

Friday

Check out a new math challenge- "Fractured Numbers!"

When you complete this challenge, explain the methods you used to solve the problem to a parent or sibling.

Complete Math Challenge Activity- answers will vary.

Week 8: Take a Trip to the Arctic!

Tuesday

Let's look at this shape and its attributes! Write or discuss your answers with a parent or sibling.

Thursday

Calculate the Area and Perimeter of this iceberg. Don't forget to label the units!

7 feet

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	3 feet
- How many sides does it have? 5 - How many vertices does it have? 5 -How many angles does it have? 5	Area: 21 square feet Perimeter: 20 feet
The name of this shape is aPentagon	
Where have you seen this shape before in the real world?	
Answers will vary- one example could be a baseball plate/pitcher's mound.	



Week 9: Let's Go on a Safari!		
Monday	Wednesday	Friday
Which <u>unit of measurement</u> would you use? Choose between inches, feet, yards, or miles.		Complete your final summer Math Challenge by measuring some animals that you may see on a Safari! - "Measuring Mammals Math Challenge!"
 Length of a car? feet Length of a shoe? inches Distance between your house and your school? miles Length of a ketchup bottle? inches Length of a diving board? yards 		Complete math challenge- answers will vary. Examples: 1. Geoff is taller than George- comparing the Giraffes to the size of the trees they are standing next to is one way to

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