

Fifth Grade Summer Reading

Directions: You will be reading **three books** this summer for fifth grade students. One of the books will be a specific book (the information for that book is provided below) while the others are “free read” books of your choice.

****Students will be given directions on what product they will turn in for their “free read” books when they return to school in the fall. The project outline below for the “required reading” will be due on the first day of school. ****

Required Reading: The Magician’s Elephant

ISBN:9780763644109, 0763644102

Page count:201

Published:2009

Format: Hardcover

Publisher:Candlewick Press

Language:English

Author:Kate DiCamillo

Illustrator: Yoko Tanaka

Project: Cube Book Report:

A "Cube Book Report" is a creative way to present information about a book, often using a cube as a visual aid. Students create individual panels for each side of the cube, summarizing different aspects of the book like the title, author, characters, setting, and plot. This format can be more engaging than a traditional written report and helps with comprehension and retention.

Here's how you can create a Cube Book Report:

1. Read the book:

Thoroughly read the assigned book, paying close attention to the main characters, setting, plot, and themes.

2. Gather information:

Take detailed notes on the book's elements, including the title, author, genre, main characters, and key events.

3. Create the cube panels:

Each side of the cube should focus on a specific aspect of the book. For example:

- **Side 1:** Title and Author
- **Side 2:** Main Characters and their roles
- **Side 3:** Setting and Time Period
- **Side 4:** Plot Summary and Main Events
- **Side 5:** Themes or Messages
- **Side 6:** Your Personal Opinion/Reaction
-

4. Write on each panel:

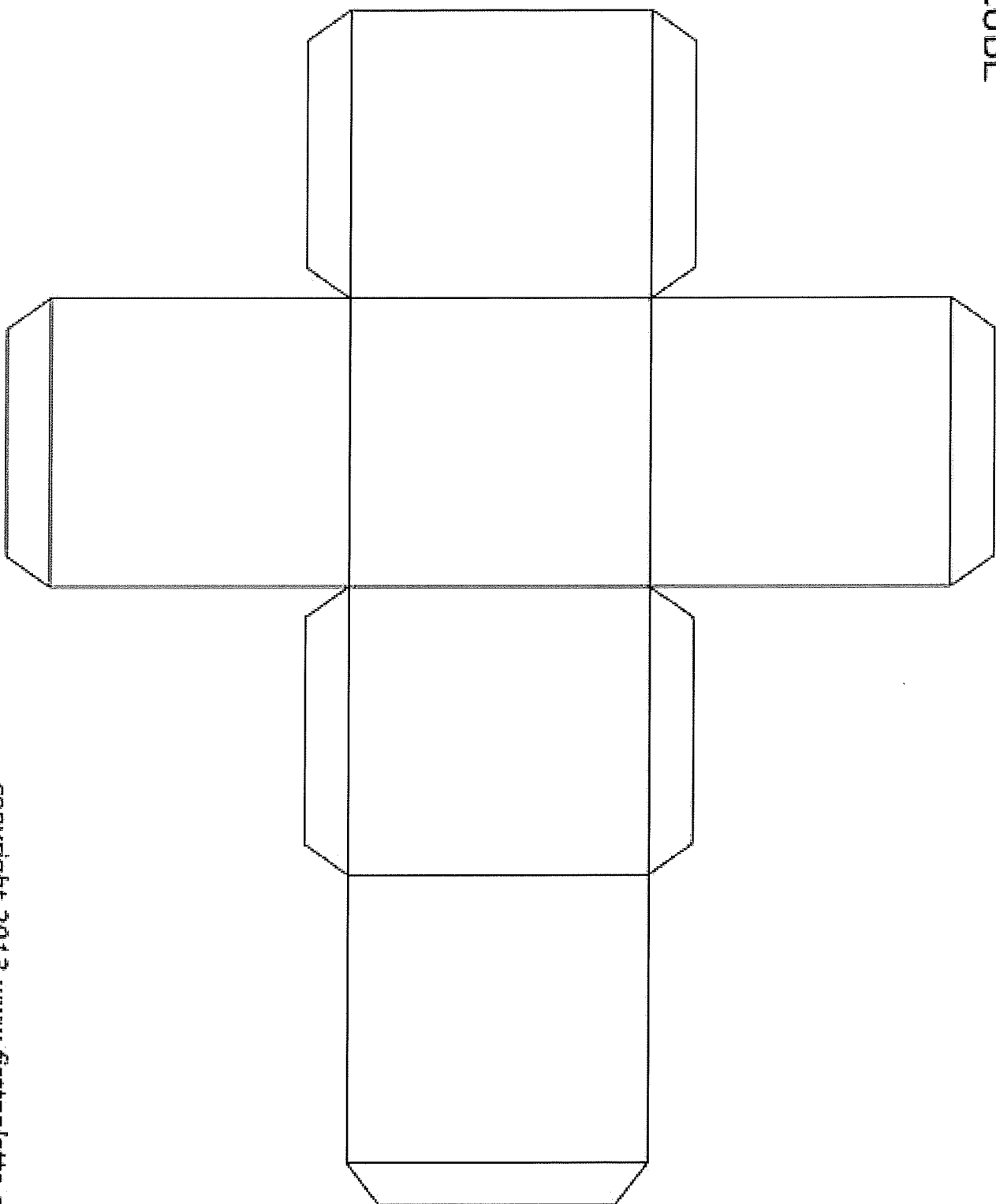
Provide concise and relevant information for each side of the cube, summarizing the book's key elements and your thoughts.

5. Cut and assemble:

Cut out the panels and fold them to form a cube. Glue the edges together to create a finished cube.

This cube can be a great way to visualize and present your understanding of the book and can be a useful tool for discussions and presentations.

CUBE



SPIRALED MATH PRACTICE

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set 1

Q#	STANDARD	TOPIC	UNIT
1	4.G.2	Classifying 2D figures	4th Grade Mixed Review
2	4.NBT.2*	Comparing whole numbers	4th Grade Mixed Review
3	4.NBT.5*	Multiplying whole numbers	4th Grade Mixed Review
4	4.OA.5	Number patterns	4th Grade Mixed Review
5	4.MD.4	Representing data on line plots	4th Grade Mixed Review
6	4.MD.7	Finding missing angle measures	4th Grade Mixed Review
7	4.OA.4	Factor pairs	4th Grade Mixed Review
8	4.NF.1*	Equivalent fraction models	4th Grade Mixed Review
9	4.MD.2	Adding and subtracting with money	4th Grade Mixed Review
10	4.NF.3c*	Adding mixed numbers	4th Grade Mixed Review

set 2

Q#	STANDARD	TOPIC	UNIT
1	4.NBT.6*	Dividing whole numbers	4th Grade Mixed Review
2	4.NBT.4*	Subtracting whole numbers	4th Grade Mixed Review
3	4.NF.4b*	Multiplying fractions by whole #s	4th Grade Mixed Review
4	4.NBT.3*	Rounding whole numbers	4th Grade Mixed Review
5	4.G.1	Perpendicular line segments	4th Grade Mixed Review
6	4.NF.5*	Equivalent fractions	4th Grade Mixed Review
7	4.NBT.2*	Whole number values	4th Grade Mixed Review
8	4.MD.2	Subtraction with measurements	4th Grade Mixed Review
9	4.OA.2*	Multiplicative comparison	4th Grade Mixed Review
10	4.G.3	Recognizing lines of symmetry	4th Grade Mixed Review

*indicates a major cluster

SET 1

SPIRALED PRACTICE

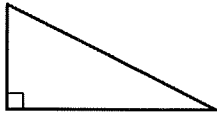
Name _____

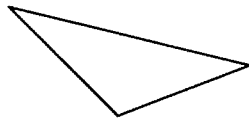
Date _____ Pd _____

Solve the problems below for spiraled practice. Be sure to show all work.

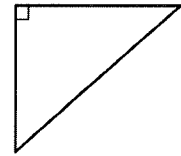
Label each triangle as acute, right, or obtuse.

1









2 Compare the values using $>$, $<$ or $=$.

a. $78,520$ _____ $708,100$

b. $304,815$ _____ $340,382$

c. $4,788$ _____ $4,768$

3 36×15

4 What is the rule for the number pattern shown below?

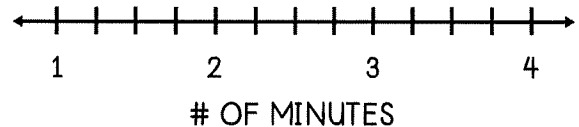
3, 12, 48, 192, ...

Mabel has several microwavable meals in her freezer. The table shows the cook time, in minutes, for each meal. Create a dot plot to represent the data shown in the table.

5

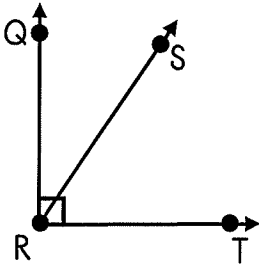
COOK TIME (MINUTES)	$3\frac{1}{2}$	2	1	$2\frac{1}{2}$	4	$1\frac{1}{2}$	3
# OF MEALS	3	3	0	6	1	2	2

MICROWAVABLE MEALS



6

The measure of angle QRT is 90° . The measure of angle QRS is 38° . What is the measure of angle SRT?

**7**

Circle the name of the student(s) that wrote a factor pair for 189 using only composite numbers.

ELI

$$21 \times 9$$

HEIDI

$$27 \times 7$$

TATE

$$63 \times 3$$

Which student shaded an area of a fraction model that is equivalent to $\frac{5}{15}$? Explain.

8

YVETTE



ALISA

**9**

Bodhi had three \$10 bills, one \$5 bill, eight nickels, and four pennies. He purchased a fidget pen for \$3.28. How much money did Bodhi have after he purchased the fidget pen?

10

A landscaper used $8\frac{2}{7}$ pounds of stone to line a garden bed and $6\frac{4}{7}$ pounds of stone around a tree. How many total pounds of stone did the landscaper use?

Solve the problems below for spiraled practice. Be sure to show all work.

<p>1 $7,217 \div 4$</p>	<p>2 $83,592 - 21,657$</p>	<p>3 What is the missing value needed to make the equation true?</p> <div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: fit-content;"> $\underline{\hspace{2cm}} \times \frac{4}{5} = 24 \times \frac{1}{5}$ </div>
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A number rounded to the nearest thousand is 42,000. Shade the cards that could be the number before it was rounded. **4**

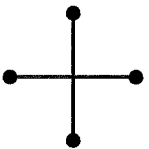
42,388

42,790

42,519

41,940

Mr. Hammond displayed the drawing on his smartboard. He asked his students to describe what the drawing represented. Which student best described the drawing? **5**



FRANCESCA

"The drawing represents two line segments that appear to be parallel."

EVERETT

"The drawing represents two lines that appear to be perpendicular."

IMOGEN

"The drawing represents two line segments that appear to be perpendicular."

6

Write the letter of the fraction that is equivalent to each fraction listed below.

_____ 1. $\frac{70}{100}$

d. $\frac{70}{10}$

b. $\frac{700}{10}$

_____ 2. $\frac{7}{1}$

c. $\frac{7}{10}$

7

The expanded notation of a number is shown below. What is this number written in standard form?

$$(3 \times 100,000) + (7 \times 10,000) + (2 \times 100)$$

Gretchen tried two new chili recipes last month.

- The first recipe made 20 cups and 4 fluid ounces of chili.
- The second recipe made 15 cups and 7 fluid ounces of chili.

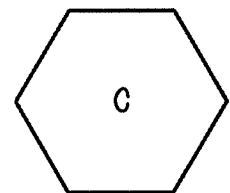
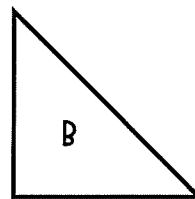
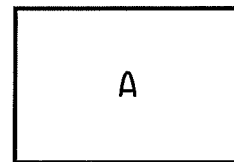
What is the difference in the amount of chili each recipe made in cups and fluid ounces?

8**9**

Marcus and Neal are contestants on a game show. Marcus tapped the buzzer in 13 seconds. Neal took 4 times as many seconds to tap the buzzer as Marcus. How many seconds did it take Neal to tap the buzzer?

10

Which of the following shapes appear to have only one line of symmetry?



SPIRALED MATH PRACTICE

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Q#	STANDARD	TOPIC	UNIT
1	4.OA.1*	Equations as comparisons	4th Grade Mixed Review
2	4.NBT.5*	Multiplying whole numbers	4th Grade Mixed Review
3	4.NF.5*	Adding fractions	4th Grade Mixed Review
4	4.NF.4b*	Multiplying fractions by whole #s	4th Grade Mixed Review
5	4.NF.7*	Comparing decimals	4th Grade Mixed Review
6	4.NBT.3*	Rounding whole numbers	4th Grade Mixed Review
7	4.MD.3	Area of rectangles	4th Grade Mixed Review
8	4.G.2	Classifying 2D figures	4th Grade Mixed Review
9	4.NF.3a*	Adding fractions with models	4th Grade Mixed Review
10	4.MD.1	Converting measurements	4th Grade Mixed Review

set 4

Q#	STANDARD	TOPIC	UNIT
1	4.NBT.5*	Multiplying whole numbers	4th Grade Mixed Review
2	4.NBT.6*	Dividing whole numbers	4th Grade Mixed Review
3	4.NF.7*	Comparing decimals	4th Grade Mixed Review
4	4.G.2	Classifying 2D figures	4th Grade Mixed Review
5	4.NF.3b*	Decomposing fractions	4th Grade Mixed Review
6	4.NF.4c*	Multiplying fractions by whole #s	4th Grade Mixed Review
7	4.MD.5a	Angle measures of circles	4th Grade Mixed Review
8	4.OA.2*	Multiplicative comparison	4th Grade Mixed Review
9	4.OA.3*	Multiplying and dividing whole #s	4th Grade Mixed Review
10	4.MD.3	Perimeter of rectangles	4th Grade Mixed Review

*indicates a major cluster

Solve the problems below for spiraled practice. Be sure to show all work.

Which student made a correct statement about the equation below?

$$10 = 5 \times 2$$

IRA

"5 is 2 times as many as 10."

CATALINA

"10 is 2 times as many as 2."

GRIFFIN

"10 is 5 times as many as 2."

2

$$8,239 \times 7$$

3

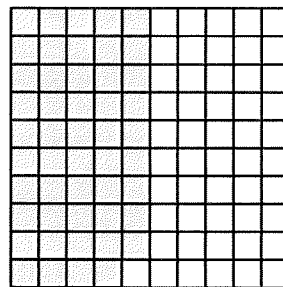
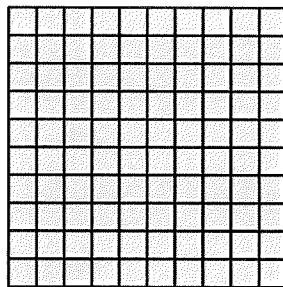
$$\frac{3}{100} + \frac{8}{10}$$

4

$$9 \times \frac{3}{4}$$

Place a check next to any card that has a value greater than the decimal represented on the model.

5



1.53

1.4

1.6

1.39

6 Round each number to the given place value:

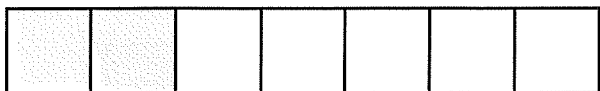
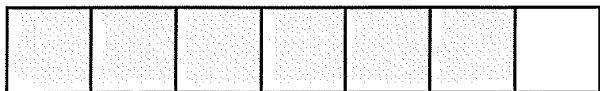
- a. 528,955 to the nearest thousand:
- b. 218 to the nearest ten:
- c. 6,419 to the nearest hundred:

7 A rectangular beach towel has a length of 60 inches and a width of 32 inches. What is the area of the beach towel in square inches?

Mr. Wilson drew a shape that has two pairs of opposite sides that are parallel and congruent. None of the sides are perpendicular to each other. Hannah says Mr. Wilson must have drawn a rectangle and Anahi says Mr. Wilson must have drawn a rhombus. Who do you agree with? Explain.

8

9 The models below are each shaded to represent a different fraction. What is the sum of the fractions represented by the shaded parts of the models?



10 The table shows numbers of feet and the equivalent numbers of yards. Ray has 270 feet of fishing line on his fishing pole. How many yards of fishing line does he have?

NUMBER OF FEET	NUMBER OF YARDS
15	5
18	6
21	7
24	8

**SET
4**

SPIRALED PRACTICE

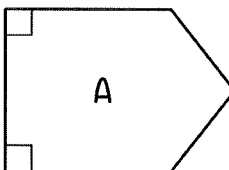
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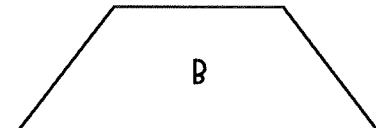
Solve the problems below for spiraled practice. Be sure to show all work.

<p>1 58×11</p>	<p>2 $6,400 \div 5$</p>	<p>3 Compare the values using $>$, $<$ or $=$.</p> <p>a. 0.72 ____ 0.75</p> <p>b. 0.2 ____ 0.20</p> <p>c. 0.48 ____ 0.5</p>
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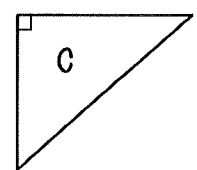
Which figure(s) have at least two right angles and at least one obtuse angle? **4**



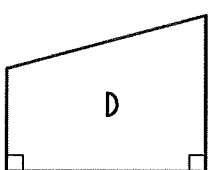
A



B



C



D

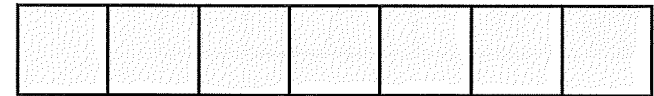

The model shown below is shaded to represent a mixed number with a value that is greater than 1 whole. Which student wrote an equation that shows two ways to represent this mixed number as a sum? **5**

SYLVIE

$$\frac{3}{7} + \frac{4}{7} = \frac{2}{7} + \frac{1}{7}$$

ELIZA

$$\frac{7}{7} + \frac{3}{7} = \frac{5}{7} + \frac{5}{7}$$

6

Niall wraps his ankles with $\frac{2}{5}$ of a roll of athletic tape each time he has a basketball game. How many rolls of tape will he use after 4 basketball games?

7

Place a check next to the card that represents the measure, in degrees, of an angle that represents $\frac{3}{4}$ of a complete circle.

90

180

270

360

Mrs. O'Neil has a jar of bubblegum pieces. Joel guessed that there were 42 pieces in the jar, but the actual number was 3 times as many as the number that Joel guessed. Place a check next to the equation that can be used to find the number of bubblegum pieces in the jar.

8

$42 + 3 = ?$

$42 \times 3 = ?$

$42 \div ? = 3$

9

A school used 9 tubs of pretzels to make snack bags for students. Each tub had 80 ounces of pretzels, and the school put 3 ounces of pretzels in each bag. What is the greatest number of snack bags the school could have made?

10

What is the perimeter, in inches, of the rectangle?

14 in



6 in

SPIRALED MATH PRACTICE

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Q#	STANDARD	TOPIC	UNIT
1	4.NF.4a*	Understanding fractions	4th Grade Mixed Review
2	4.NBT.4	Adding whole numbers	1: Whole Number Operations
3	5.NBT.5*	Multiplying whole numbers	1: Whole Number Operations
4	5.NBT.6*	Dividing whole numbers	1: Whole Number Operations
5	5.OA.2	Writing and evaluating expressions	1: Whole Number Operations
6	4.MD.5b	Angle measures	4th Grade Mixed Review
7	4.OA.3*	Dividing whole numbers	4th Grade Mixed Review
8	4.NF.3d*	Subtracting fractions with models	4th Grade Mixed Review
9	4.NF.3a*	Understanding addition of fractions	4th Grade Mixed Review
10	5.OA.1	Simplifying expressions	1: Whole Number Operations

set 6

Q#	STANDARD	TOPIC	UNIT
1	4.NF.2*	Comparing fractions	4th Grade Mixed Review
2	4.NBT.4	Subtracting whole numbers	1: Whole Number Operations
3	5.NBT.5*	Multiplying whole numbers	1: Whole Number Operations
4	4.NF.6*	Equivalent fractions and decimals	4th Grade Mixed Review
5	5.OA.1	Writing expressions	1: Whole Number Operations
6	4.NBT.1*	Place value	4th Grade Mixed Review
7	5.OA.1	Simplifying expressions	1: Whole Number Operations
8	4.OA.3*	Representing word problems	4th Grade Mixed Review
9	4.NF.1*	Equivalent fractions	4th Grade Mixed Review
10	5.NBT.6*	Dividing whole numbers	1: Whole Number Operations

*indicates a major cluster

Solve the problems below for spiraled practice. Be sure to show all work.

Which student wrote an expression that is equal to $\frac{7}{3}$?

1

JUDAH

$$7 \times \frac{1}{3}$$

ADRIANNA

$$7 + \frac{1}{3}$$

SIDNEY

$$3 \times \frac{1}{7}$$

SHEA

$$3 + \frac{1}{7}$$

2

$$67,508 + 8,248$$

3

$$37 \times 605$$

4

$$3,355 \div 11$$

Two students described the steps to evaluate the expression $13(10 - 6)$.

5

TANNER

"Multiply 13 by 10, and then subtract 6 from the product."

JACKSON

"Subtract 6 from 10, and then multiply 13 by the difference."

a. Who correctly described the steps needed?

b. Write an expression to represent the other student's description.

6

Mona moves the arm of a circular spinner one degree at a time. If she moves the arm halfway around the circular spinner, how many times did she move the arm?

7

Jillian made 132 ounces of peach preserves. If a jar holds 8 ounces of peach preserves, how many jars will Jillian be able to fill?

8

Mrs. Green baked a loaf of garlic bread to have with spaghetti. Mrs. Green and her family ate $\frac{7}{9}$ of the loaf of garlic bread. If Mrs. Green ate $\frac{2}{9}$ of the loaf of garlic bread, what fraction of the loaf of garlic bread did the rest of her family eat?

**9**

Circle the name of the student(s) that wrote an expression equivalent to $\frac{7}{4}$.

ADRIAN

$$\frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7}$$

RAPHAEL

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

ZOE

$$\frac{1}{2} + \frac{6}{2}$$

10

Simplify the expression below.

$$5(8 + 3) - 3(17 - 5)$$

Solve the problems below for spiraled practice. Be sure to show all work.

<p>1 Compare the values using $>$, $<$ or $=$.</p> <p>a. $\frac{3}{6}$ _____ $\frac{5}{10}$</p> <p>b. $\frac{4}{8}$ _____ $\frac{1}{3}$</p> <p>c. $\frac{3}{4}$ _____ $\frac{3}{10}$</p>	<p>2 $721,683 - 710,348$</p>	<p>3 $4,193 \times 85$</p>
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Circle the name of the student(s) that wrote an equivalent fraction and decimal. **4**

ORLANDO	BROOKE	JESSICA
$17.3 = 17\frac{30}{100}$	$\frac{43}{100} = 0.043$	$2.5 = \frac{25}{10}$

Kyndall's class is playing a review game. After the first round, her group has 36 points. Then the following events happen in order: **5**

- During round two, Kyndall's group answered 6 questions correctly for 4 points each.
- During round three, Kyndall's group lost 2 points.
- Kyndall's group doubled their score by answering the challenge question correctly.

Place a check next to the expression that represents the score of Kyndall's group at the end of the review game.

$36 + 6 \times 4 - 2 \times 2$	$(36 + 6 \times 4 - 2) \times 2$	$36 + (6 \times 4 - 2) \times 2$
--------------------------------	----------------------------------	----------------------------------

6

How many times greater is the value represented by the digit 3 in the number 43,582 than the value represented by the digit 3 in the number 8,327?

7

Simplify the expression.

$$(18 + 6) \div (2 \times 4)$$

8

At a craft store, pieces of scrapbook paper cost 52 cents each and packages of stickers cost 97 cents each. Piper has 90 cents. Which student wrote a set of equations that can be used to find c , the number of cents Piper still needs to buy 2 pieces of scrapbook paper and 1 package of stickers?

RONALDO

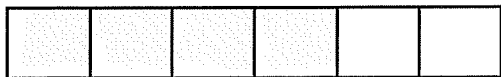
$$\begin{aligned} 52 + 97 &= 149 \\ 149 - 90 &= c \end{aligned}$$

ERWIN

$$\begin{aligned} 52 \times 2 &= 104 \\ 104 + 97 &= 201 \\ 201 - 90 &= c \end{aligned}$$

9

Which student shaded an area of a fraction model that is equivalent to $\frac{2}{3}$?

ALFIE**SOL****10**

A bakery made 2,956 chocolate chip muffins. If there are 4 chocolate chip muffins in each package, how many packages did the bakery make?

SPIRALED MATH PRACTICE

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set 7

Q#	STANDARD	TOPIC	UNIT
1	4.NBT.4	Adding whole numbers	1: Whole Number Operations
2	4.NBT.4	Subtracting whole numbers	1: Whole Number Operations
3	5.NBT.2*	Multiplying by powers of ten	2: Adding and Subtracting Decimals
4	5.NBT.3b*	Comparing decimals	2: Adding and Subtracting Decimals
5	5.NBT.7*	Adding decimals	2: Adding and Subtracting Decimals
6	5.NBT.5*	Multiplying whole numbers	1: Whole Number Operations
7	5.OA.1	Order of operations	1: Whole Number Operations
8	5.NBT.3a*	Reading and writing decimals	2: Adding and Subtracting Decimals
9	5.NBT.7*	Subtracting decimals	2: Adding and Subtracting Decimals
10	5.NBT.7*	Adding decimals	2: Adding and Subtracting Decimals

set 8

Q#	STANDARD	TOPIC	UNIT
1	4.NBT.4	Subtracting whole numbers	1: Whole Number Operations
2	5.NBT.5*	Multiplying whole numbers	1: Whole Number Operations
3	5.NBT.2*	Dividing by powers of ten	2: Adding and Subtracting Decimals
4	5.NBT.3b*	Comparing decimals	2: Adding and Subtracting Decimals
5	5.NBT.7*	Adding decimals	2: Adding and Subtracting Decimals
6	5.NBT.4*	Rounding decimals	2: Adding and Subtracting Decimals
7	5.NBT.7*	Subtracting decimals	2: Adding and Subtracting Decimals
8	5.OA.2	Writing expressions	1: Whole Number Operations
9	4.NBT.4	Adding whole numbers	1: Whole Number Operations
10	5.NBT.1*	Place value with decimals	2: Adding and Subtracting Decimals

*indicates a major cluster

Solve the problems below for spiraled practice. Be sure to show all work.

$$394,685 + 31,207$$

1

- Estimate the sum and explain your reasoning.
- Find the sum.

2 $651,029 - 9,358$

3 Find the product.

$$78.9 \times 10^2$$

4 Compare the values using $>$, $<$ or $=$.

- 5.956 _____ 5.954
- 27.63 _____ 27.628

Karmen is making chocolate covered strawberries. She melted 12.083 ounces of dark chocolate and 4.89 ounces of white chocolate.

5

- What is a reasonable estimate for the total ounces of chocolate she melted?
- Find the total ounces of chocolate Karmen melted.

6

Whitney transferred \$26 to her savings account each day for the past 365 days. What is the total amount of money Whitney transferred to her savings account?

7

Place a set of parentheses in the expression below so that it simplifies to a value of 8.

$$20 - 4 \times 3 + 6 \div 3$$

Emmett purchased a pool table for \$1,387.94. Write this number in expanded notation.

8**9**

An airplane had 7.408 tons of luggage in the cargo hold. After moving some luggage from the overhead bins to the cargo hold, there were 7.53 tons of luggage in the cargo hold. How many tons of luggage did they move?

10

Randy is making a salad. He used 8.29 ounces of spinach and 7.84 more ounces of arugula than spinach. How many ounces of arugula did Randy use?

Solve the problems below for spiraled practice. Be sure to show all work.

$$5,499,872 - 301,248$$

1

- a. Estimate the difference and explain your reasoning.
- b. Find the difference.

2

$$362 \times 94$$

3

Find the quotient.

$$43 \div 10^3$$

4

Compare the values using $>$, $<$ or $=$.

- a. 0.417 _____ 0.43
- b. 18.25 _____ 18.250

Apply your knowledge of decimals to solve parts a and b.

5

- a. Express each amount listed below as a decimal.
- 4 cents = _____
 - 73 cents = _____
 - 5 dollars and 26 cents = _____
- b. Find the sum of the 3 values listed in part a.

6

Round each decimal to the given place value:

- a. 17.648 to the nearest tenth:
- b. 0.027 to the nearest hundredth:
- c. 1.918 to the nearest hundredth:

7

$$8,432.75 - 2,354.28$$

Regina plans to stop at a coffee shop twice a week before work. To determine how much it will cost, she needs to add \$7 and \$4 and then multiply the sum by 2. She will then multiply this amount by 4 to see how much it would cost to go each week this month.

8

- a. Write an expression to represent the situation.
- b. Did the expression above require grouping symbols? If so, explain what they mean.

9

A reality show had 1,589,327 viewers during the first episode and an additional 930,894 viewers during the second episode. How many viewers did the show have during the second episode?

10

In the number 716.608, how does the value of the 6 to the left of the decimal compare to the value of the 6 to the right of the decimal?

