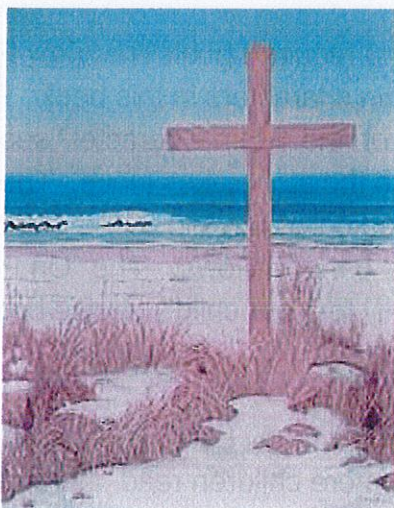




HOLY CROSS ACADEMY
RUMSON, NJ

Incoming 5th Grade

Holy Cross Academy 2025 Summer Assignments



Dear Students:

Get ready to shine brighter than the sun! As we end another terrific school year and look forward to the sunny days of summer, our learning journey continues with the attached summer reading and math packets. Our summer assignments aren't just tasks; they are your passport to a summer filled with growth and enrichment. So, let's dive in together, embrace the warmth of learning, and make this summer one to remember! Please complete and bring the assignments with you on the first day of school in September.

Enjoy the many blessings of summer!

Dear Parents of Rising 5th Graders,

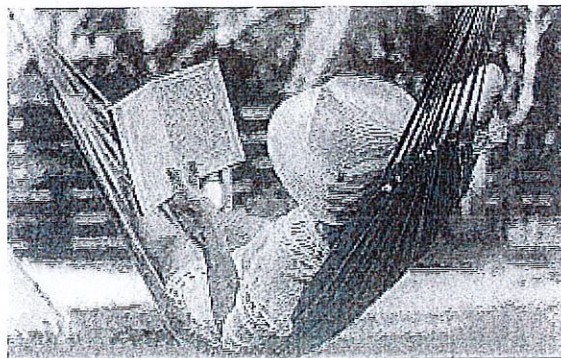
Summer reading is very important! Students who love to read will see success in school. Please encourage your child to read, set an example of reading in front of them and read aloud to them when possible.

This summer the children will be required to read two books from the attached list (one required & one choice selection). This year our Rising 5th graders will be required to read The View From Saturday by E.L. Konigsburg. In addition, your child will choose a "good fit" choice book, one that they have not already read. It may be fiction or nonfiction. Your child will also need to complete two separate activities and return them on the first day of school.

The banner template is for the required book The View From Saturday by E.L. Konigsburg. There are 4 main characters in this book. Please give their names and a sentence or two about them on the "Main Character" section of the banner. The setting is the time and place in which the story takes place. The summary should have three or more sentences about the beginning, middle & end of the book. Include drawings to go along with each section if the banner allows. The "On Point" sheets should be completed neatly & thoroughly for your child's choice book. Please write neatly & feel free to make it colorful!

I encourage your child to read as many books as possible from the provided list. Please always keep in mind that the more children read, the more enriched their comprehension, fluency, vocabulary & writing become.

Wishing you a wonderful, safe & healthy summer!



Summer Reading List for Incoming Fifth Graders

Realistic & Fantasy Fiction

I Am the Ice Worm, MaryAnn Easley - A 14 year old named Allison is rescued from the Alaskan wild by an Inupiat trapper, who takes her to his village to stay until she can be reunited with her mother.

Hatchet, Gary Paulsen - The story is about Brian, 13, and how he manages to survive 54 days in the Canadian wilderness after a plane crash.

Peak, Roland Smith- When 14 year old Peak Marcello is caught scaling a skyscraper to place his signature graffiti tag, he is offered a choice: spend three years in juvenile detention or climb Mt. Everest with his long-absent father.

The Phantom Tollbooth, Norton Juster -Tells the story of a bored, young boy named Milo who unexpectedly receives a magic tollbooth one afternoon. Having nothing better to do, he drives through it in his toy car, transporting him to the Kingdom of Wisdom, once prosperous but now troubled.

My Life As a Fifth Grade Comedian, Elizabeth Levy- Bobby is a clown. He can be counted on to crack up his friends and sometimes the teachers. But he can't always be counted on to stay out of trouble even when in danger of being expelled!

War With Grandpa, Robert Smith- Peter is thrilled that Grandpa is coming to live with his family, that is, until Grandpa moves right into Peter's room, forcing him upstairs!

The Homework Machine, Dan Gutman- The unlikely foursome made up of a geek, a class clown, a teacher's pet, and a slacker -- Brenton, Sam "Snick," Judy and Kelsey, respectively, are bound together by one very big secret: the homework machine. Because a machine, code named Belch, is doing their homework for them, they start spending a lot of time together.

No Talking, Andrew Clements- Is a novel about a fifth grade class in which the boys and girls make a pact not to talk for two days. At the beginning of the story, Dave Packer is trying to go a whole day without speaking.

The Pepins and Their Problems, Polly Horvath- Whether it's waking up to find toads in their shoes or searching for cheese when their cow makes lemonade, the Pepin family's endless tangles entertain the reader.

Historical Fiction

Island of the Blue Dolphins, Scott O'Dell- Karana is a 12 year old Native American who refuses to abandon her 6 year old brother when her Island, Ghalas-at (off the Southern California coast) is evacuated.

Jackie and Me, Dan Gutman- Joe has to do a report on an African-American who has made a contribution to society, so he travels back in time to when Jackie Robinson became the first black baseball player.

The Wednesday Wars, Gary Schmidt- On Wednesday afternoons, half of Holling's class leaves school early for Catechism class. The other half leaves early for Hebrew School. That leaves Presbyterian Holling alone every Wednesday afternoon with his teacher, Mrs. Baker. Neither of them is happy at the prospect, and Holling is sure Mrs. Baker hates him as a result.

Esperanza Rising, Pam Munoz Ryan- Esperanza and her mother are forced to leave their life of wealth and privilege in Mexico to go work in the labor camps of Southern California.

Mysteries

From the Mixed-Up Files of Mrs. Basil E. Frankweiler, E.L. Konigsburg- 12 year old Claudia and her younger brother Jamie are running away from the tyranny of unappreciative parents and the drudgery of day-to-day living. Claudia has carefully hand-picked the beautiful Metropolitan Museum of Art as their new home. There they quite unexpectedly stumble upon an unknown statue by none other than Michelangelo...or is it?

* *The View From Saturday*, E.L. Konigsburg-
(Required Reading Novel)

The main characters not only compete in an academic contest (contest answers included at the back!) but also outwit the class bullies using brains, not brawn. Nadia, Noah, Ethan and Julian, so closely linked in friendship that they call themselves "the Souls," each narrate a part of the book. Part of the pleasure comes from watching the foursome's varied life experiences help them succeed as an Academic Bowl Team, and part comes from the suspense generated at the story's beginning: How does Mrs. Olinski select the children for her team?

Nonfiction & Biographies

Lou Gehrig: The Luckiest Man, David A. Adler- This biography traces Gehrig's life, from childhood through his illustrious career with the Yankees to his struggle with amyotrophic lateral sclerosis and his tragic death at age thirty-seven.

Through My Eyes, Ruby Bridges- When Ruby first goes to school, escorted by the U.S. Marshals, she is the only child in her class. Nearly all of the white students have been withdrawn by their angry parents.

Someone Like Me: How One Undocumented Girl Fought For Her American Dream, Julissa Arce- Born in the picturesque town of Taxco, Mexico, Julissa Arce was left behind for months at a time with her two sisters, a nanny, and her grandma while her parents worked tirelessly in America in hopes of building a home and providing a better life for their children.

Untamed: The Wild Life of Jane Goodall, Anita Silvey- Chronicles the life of Goodall from her childhood fascination with animal behavior to her groundbreaking field research of chimpanzees in Africa and her work to preserve endangered animals' habitats.

Two Truths and a Lie: It's Alive! Paperback, Ammi-Joan Paquette & Laurie Ann Thompson- The first book in a fascinating new series that presents some of the most crazy-but-true stories about the living world as well as a handful of stories that are too crazy to be true-and asks readers to separate facts from fakes!

Title: _____

Author: _____

Genre:

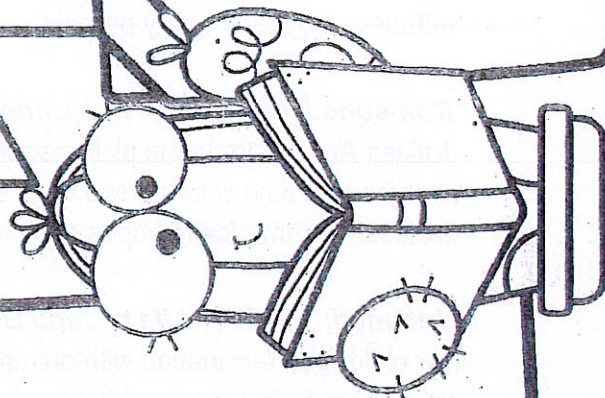
SETTING:

MY FAVE
CHARACTER:

STAR REVIEW

summary
↑

THIS BOOK IS ON POINT!



THE BOOK'S BEST MOMENT:

Word Wizard: Your job is to be on the lookout for words that may be unusual, puzzling, or unfamiliar. Try to figure out their meaning from the context clues around the words. Look up the words in a dictionary or on your dictionary app. And write the definition. Make sure you understand the words and can tell someone at home what the word means in your own words.

SOMETHING TO
KNOW:

<u>Word</u>	<u>Page Number</u>	<u>My best guess of what the word means is:</u> <u>(Using Context Clues)</u>	<u>Dictionary Definition</u>

Be able to teach someone else what these words mean.

Title: _____

Author: _____

Main Characters:

Setting:

Summary: _____

A large, empty, inverted triangle shape, resembling a funnel or a container, with horizontal lines inside, suggesting a scale or measurement tool. The triangle is oriented with its base at the top and its vertex at the bottom. It contains 15 horizontal lines that are evenly spaced and extend from the left to the right edge of the triangle. The lines are slightly shorter than the width of the triangle at each level, creating a series of horizontal channels. The overall appearance is that of a template for a funnel or a scale.

Name _____

My favorite part was _____

Name _____

Book Report Rubric

Expectations	Possible Points	Points Earned
* Include the title and author of your book. *Include an original illustration that represents your book.	20	
Make a list of the important characters and illustrate them.	10	
Describe and illustrate the setting.	10	
Write a summary that is four or more sentences to help your reader understand the main points of the story.	20	
Write one or two sentences describing your favorite part and draw a picture.	10	
Writing is neat, complete sentences and makes sense.	10	
Sentences are complete and makes sense.	10	
Drawings are neat and colorful.	10	

Name _____

Review What You Know

Vocabulary

Choose the best term from the box.
Write it on the blank.

- expanded form
- place value
- number line
- rounding
- number name
- whole numbers

1. The numbers 0, 1, 2, 3, 4, and so on are called _____.
2. A number written using only words is written using a _____.
3. Replacing a number with a number that tells about how many or how much is called _____.
4. _____ is the value given to the place of a digit in a number.

Comparing Numbers

Compare each set of numbers using $>$, $<$, or $=$.

5. 201 \bigcirc 21
6. 313 \bigcirc 313
7. 289 \bigcirc 290
8. 7 \bigcirc 70
9. 725 \bigcirc 726
10. 82 \bigcirc 82
11. 614 \bigcirc 641
12. 618 \bigcirc 618
13. 978 \bigcirc 987

Place Value

Tell if the underlined digit is in the ones, tens, hundreds, or thousands place.

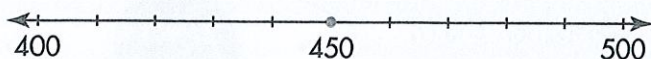
14. 9,482
15. 8,000
16. 1,506
17. 8,005
18. 5,100
19. 2,731

In this topic,
you will learn more
about place value.



Rounding

20. **Construct Arguments** Use the number line to describe how to round 450 to the nearest hundred.



Name _____

Review What You Know

Vocabulary

Choose the best term from the box.
Write it on the blank.

- equation
- estimate
- period
- rounding

1. An _____ is an approximate number or answer.
2. A process that determines which multiple of 10, 100, 1,000, and so on a number is closest to is called _____.
3. A number sentence that uses the equal sign ($=$) to show two expressions have the same value is an _____.

Addition Facts and Mental Math

Find each sum.

- | | | |
|-----------------|-----------------|-----------------|
| 4. $4 + 6$ | 5. $7 + 5$ | 6. $29 + 8$ |
| 7. $14 + 5$ | 8. $13 + 7$ | 9. $37 + 7$ |
| 10. $289 + 126$ | 11. $468 + 329$ | 12. $157 + 211$ |

Subtraction Facts and Mental Math

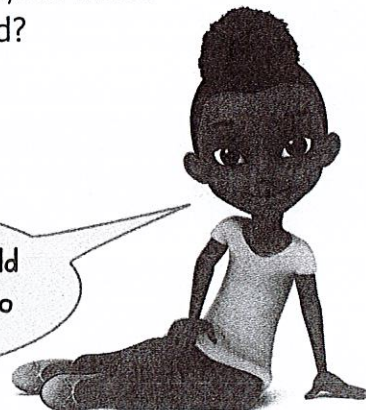
Find each difference.

- | | | |
|-----------------|-----------------|-----------------|
| 13. $27 - 3$ | 14. $6 - 4$ | 15. $15 - 8$ |
| 16. $11 - 8$ | 17. $66 - 2$ | 18. $17 - 8$ |
| 19. $416 - 404$ | 20. $220 - 205$ | 21. $148 - 106$ |

Rounding

22. **Construct Arguments** Why does 843,000 round to 840,000 rather than 850,000 when rounded to the nearest ten thousand?

A good math explanation should be clear, complete, and easy to understand.



Name _____

Review What You Know



Vocabulary

Choose the best term from the box.
Write it on the blank.

- breaking apart
- inverse operations
- compensation
- partial products

1. Multiplication and division are _____.
2. A mental math method used to rewrite a number as the sum of numbers to form an easier problem is called _____.
3. Choosing numbers close to the numbers in a problem to make the computation easier, and then adjusting the answer is called _____.

Multiplication

Find each product.

4. 6×2

5. 8×9

6. 6×5

7. 7×8

8. 4×8

9. 3×7

Rounding

Round each number to the nearest ten.

10. 16

11. 82

12. 35

13. 53

14. 24

15. 49

Round each number to the nearest hundred.

16. 868

17. 499

18. 625

19. 167

20. 341

21. 772

22. 919

23. 552

24. 321

Problem Solving

25. **Critique Reasoning** Tyler says, " 9×7 is greater than 7×9 because the greater number is first." Explain Tyler's error.

Name _____

Review What You Know

Vocabulary

Choose the best term from the box.
Write it on the blank.

- algorithm
- product
- array
- variable

1. You multiply numbers to find a(n) _____.
2. A(n) _____ shows the number of objects in rows and columns.
3. A symbol or letter that stands for a number is called a(n) _____.

Multiplication

Find each product.

- | | | |
|-------------------|-------------------|--------------------|
| 4. 4×8 | 5. 2×9 | 6. 9×5 |
| 7. 6×8 | 8. 16×4 | 9. 6×68 |
| 10. 87×5 | 11. 19×9 | 12. 128×6 |

Rounding

Round each number to the nearest hundred.

- | | |
|-----------|-----------|
| 13. 164 | 14. 8,263 |
| 15. 527 | 16. 2,498 |
| 17. 7,892 | 18. 472 |

You will use rounding
to estimate products
in this topic.



Round each number to the nearest thousand.

- | | | |
|-------------|------------|-------------|
| 19. 8,685 | 20. 4,991 | 21. 62,549 |
| 22. 167,241 | 23. 77,268 | 24. 34,162 |
| 25. 1,372 | 26. 9,009 | 27. 121,619 |

28. **Construct Arguments** Explain how to round 608,149 to the nearest thousands place.

Name _____

Review What You Know

Vocabulary

Choose the best term from the box.
Write it on the blank.

- compatible numbers
- equation
- divisible
- round
- division
- variable

1. A(n) _____ uses the equal sign ($=$) to show two expressions have the same value.
2. One way to estimate a product is to _____ each factor.
3. You use _____ when you find the number of equal groups.
4. Numbers that are easy to compute mentally are called _____.

Division Facts

Find each quotient.

- | | | |
|-----------------|-----------------|-----------------|
| 5. $27 \div 9$ | 6. $30 \div 5$ | 7. $32 \div 4$ |
| 8. $54 \div 9$ | 9. $28 \div 7$ | 10. $72 \div 9$ |
| 11. $56 \div 8$ | 12. $18 \div 3$ | 13. $15 \div 5$ |

Rounding

Round each number to the nearest hundred.

- | | |
|---------|---------|
| 14. 864 | 15. 651 |
| 16. 348 | 17. 985 |
| 18. 451 | 19. 749 |

You will round or use compatible numbers to estimate quotients in this topic.



Division as Sharing

20. **Make Sense and Persevere** Julio has 47 marbles. He keeps his two favorite marbles, then equally shares the remaining marbles between 5 friends. How many marbles does each friend receive? Explain.

Review What You Know



Vocabulary

Choose the best term from the box.
Write it on the blank.

- Associative Property of Multiplication
- Commutative Property of Multiplication
- compatible numbers
- Distributive Property

1. The _____ says that factors can be multiplied in any order and the product remains the same.
2. Breaking apart a multiplication problem into the sum or difference of two simpler multiplication problems is an example of using the _____.
3. According to the _____, factors can be regrouped and the product remains the same.

Dividing by 1-Digit Numbers

Estimate each quotient.

4. $16 \div 3$

5. $25 \div 4$

6. $155 \div 4$

7. $304 \div 3$

8. $1,283 \div 6$

9. $1,999 \div 4$

Multiplying by 1-Digit Numbers

Find each product.

10. 53×9

11. $1,127 \times 7$

12. $2,769 \times 5$

13. 3×215

14. 914×5

15. $1,238 \times 5$

Problem Solving

16. **Construct Arguments** Explain why the array represents 3×21 .



17. James multiplies 38 by 55. He finds three of the four partial products: 40, 150, and 400. Which partial product is James missing? What is the solution?

Review What You Know



Vocabulary

Choose the best term from the box.
Write it on the blank.

- dividend
- product
- divisor
- quotient

1. The _____ is the answer to a division problem.
2. The number being divided is the _____.
3. The _____ is the number that tells into how many groups something is being divided.

Multiplication

Find each product.

- | | | |
|--------------------|--------------------|--------------------|
| 4. 8×4 | 5. 17×6 | 6. 304×9 |
| 7. 555×5 | 8. 22×26 | 9. 33×11 |
| 10. 56×70 | 11. 36×91 | 12. 27×48 |
| 13. 56×13 | 14. 12×19 | 15. 36×16 |

Division

Find each quotient.

- | | | |
|--------------------|--------------------|--------------------|
| 16. $27 \div 3$ | 17. $56 \div 8$ | 18. $36 \div 4$ |
| 19. $72 \div 9$ | 20. $39 \div 3$ | 21. $64 \div 4$ |
| 22. $105 \div 5$ | 23. $824 \div 4$ | 24. $942 \div 3$ |
| 25. $9,156 \div 3$ | 26. $2,156 \div 4$ | 27. $4,136 \div 8$ |

Problem Solving

28. **Model with Math** Cecilia bought 2 sandwiches last week and 4 sandwiches this week. She spent a total of \$42. If each sandwich costs the same amount, how much did Cecilia spend on each sandwich? Write and solve equations.

Name _____

Review What You Know



Vocabulary

Choose the best term from the box.
Write it on the blank.

- denominator
- numerator
- fraction
- unit fraction

1. A symbol, such as $\frac{2}{3}$ or $\frac{1}{2}$, used to name part of a whole, part of a set, or a location on a number line is called a _____.
2. The number above the fraction bar in a fraction is called the _____.
3. A fraction with a numerator of 1 is called a _____.

Unit Fractions

Write a fraction for each statement.

4. 2 copies of $\frac{1}{6}$ is _____.
5. 3 copies of $\frac{1}{3}$ is _____.
6. 4 copies of $\frac{1}{5}$ is _____.
7. 2 copies of $\frac{1}{10}$ is _____.
8. 7 copies of $\frac{1}{12}$ is _____.
9. 3 copies of $\frac{1}{8}$ is _____.

Fraction Concepts

Write the fraction shown by each figure.

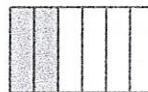
10.



11.



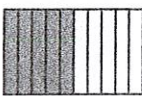
12.



13.



14.

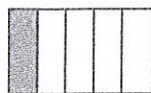


15.

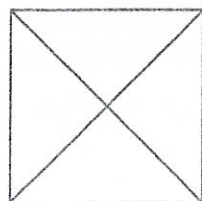


Parts of Wholes

16. **Construct Arguments** Is $\frac{1}{4}$ of the figure below green? Explain.



17. This picture shows a square. Shade in $\frac{3}{4}$ of the square.



Review What You Know

Vocabulary

Choose the best term from the box.
Write it on the blank.

- | | |
|-----------------------|------------------------|
| • benchmark fractions | • equivalent fractions |
| • denominator | • numerator |

- In $\frac{2}{3}$, 2 is the _____ of the fraction and 3 is the _____ of the fraction.
- Fractions that name the same region or part of a segment are called _____.

Equivalent Fractions

Write the missing values to show pairs of equivalent fractions.

3. $\frac{2}{3} = \frac{\square}{6}$

4. $\frac{\square}{4} = \frac{3}{12}$

5. $\frac{6}{5} = \frac{\square}{10}$

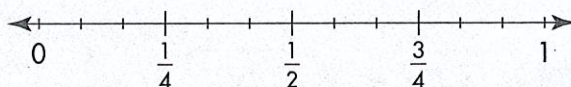
6. $\frac{1}{2} = \frac{50}{\square}$

7. $\frac{1}{5} = \frac{\square}{10}$

8. $\frac{3}{\square} = \frac{30}{100}$

Benchmark Fractions

Use the number line to find a benchmark fraction or whole number for each given fraction.



9. $\frac{11}{12}$ is close to _____. 10. $\frac{8}{12}$ is close to _____. 11. $\frac{2}{6}$ is close to _____.

Problem Solving

- Adult admission to the dog show is \$16. Children's admission is \$9. How much would it cost 3 adults and 2 children to enter the dog show?
- Meg saved coins she found for a year. She found a total of 95 pennies, 13 nickels, 41 dimes, and 11 quarters. She would like to evenly divide the coins into 4 piggy banks. How many coins will go in each piggy bank?

Name _____

Review What You Know

Vocabulary

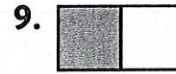
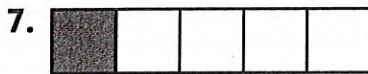
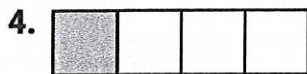
Choose the best term from the box.
Write it on the blank.

- equivalent fractions
- mixed number
- fraction
- whole number

1. A _____ has a whole number and a fraction.
2. Fractions that name the same region, part of a set, or part of a segment are called _____.
3. A _____ has a numerator and a denominator.

Identifying Fractions

Write the fraction shown by each model.



Unit Fractions

Write a fraction for each statement.

10. 3 copies of $\frac{1}{6}$ is ____.
11. 9 copies of $\frac{1}{12}$ is ____.
12. 5 copies of $\frac{1}{5}$ is ____.
13. 3 copies of $\frac{1}{10}$ is ____.
14. 6 copies of $\frac{1}{8}$ is ____.
15. 7 copies of $\frac{1}{10}$ is ____.

Equivalent Fractions

16. Draw a rectangle that shows 8 equal parts. Shade more than $\frac{3}{8}$ of the rectangle but less than $\frac{5}{8}$. What fraction did you model?
Use multiplication or division to write two equivalent fractions for your model.

Review What You Know

Vocabulary

Choose the best term from the box. Write it on the blank.

1. A _____ is a way to organize data on a number line.
2. Numbers that show the units used on a graph are called a _____.
3. _____ are pieces of information.

- compare
- data
- line plot
- scale

Comparing Fractions

Write $>$, $<$, or $=$ in the \bigcirc .

4. $\frac{7}{8} \bigcirc \frac{3}{4}$

5. $\frac{1}{2} \bigcirc \frac{5}{8}$

6. $\frac{1}{4} \bigcirc \frac{2}{8}$

Fraction Subtraction

Find the difference.

7. $10\frac{3}{8} - 4\frac{1}{8} = \underline{\hspace{2cm}}$

8. $5\frac{1}{4} - 3\frac{3}{4} = \underline{\hspace{2cm}}$

9. $7\frac{4}{8} - 2\frac{4}{8} = \underline{\hspace{2cm}}$

Interpreting Data

Use the data in the chart to answer each exercise.

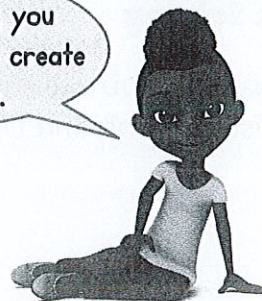
10. What is the greatest snake length?
What is the least snake length?

11. Which of the snake lengths are recorded more than once? Which length was recorded the most?

Snake Lengths (Inches)			
$12\frac{1}{2}$	$16\frac{1}{2}$	17	24
16	16	13	$12\frac{1}{2}$
$18\frac{1}{2}$	$17\frac{1}{2}$	17	16

12. What is the difference between the greatest length and the shortest length recorded?

In this topic, you will use data to create line plots.



Name _____

Review What You Know

Vocabulary

Choose the best term from the box.
Write it on the blank.

- hundredth
- tens
- place value
- tenth

1. A _____ is one of 10 equal parts of a whole, written as $\frac{1}{10}$.
2. _____ is the position of a digit in a number that is used to determine the value of the digit.
3. A _____ is one of 100 equal parts of a whole, written as $\frac{1}{100}$.

Comparing Fractions

Write $>$, $<$, or $=$ in the \bigcirc .

4. $\frac{5}{100} \bigcirc \frac{5}{10}$

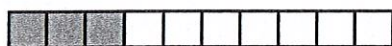
5. $\frac{1}{10} \bigcirc \frac{1}{100}$

6. $\frac{2}{10} \bigcirc \frac{20}{100}$

Parts of a Whole

Complete each fraction to represent the shaded part of the whole.

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



8. $\frac{\square}{10}$

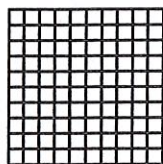


9. $\frac{\square}{10}$

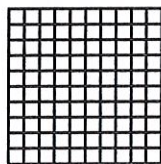


Shade the part of the whole that represents the fraction.

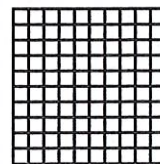
10. $\frac{22}{100}$



11. $\frac{79}{100}$



12. $\frac{37}{100}$



Problem Solving

13. **Reasoning** Rob walked $\frac{2}{10}$ block. Drew walked $\frac{5}{10}$ block. Write a comparison for the distance Rob and Drew each walked.

Name _____

Review What You Know

Vocabulary

Choose the best term from the box. Write it on the blank.

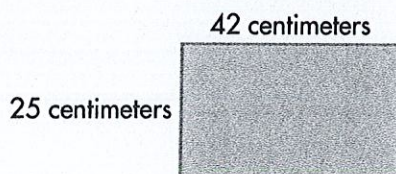
1. The amount of liquid a container can hold is called its _____.
2. _____ is the amount of matter that something contains.
3. One metric unit of capacity is a _____.

- capacity
- gram
- liter
- mass

Perimeter

Find the perimeter of each shape.

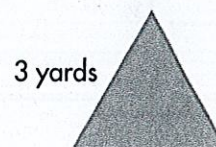
4.



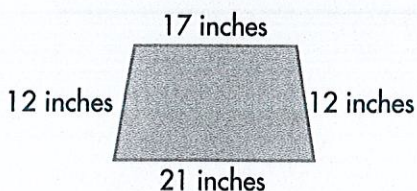
5.



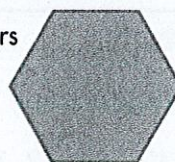
6.



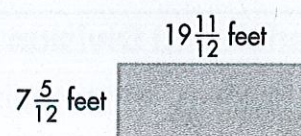
7.



8. 15 centimeters



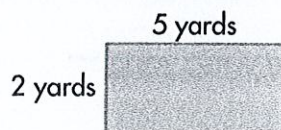
9.



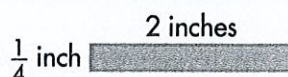
Area

Find the area of each shape.

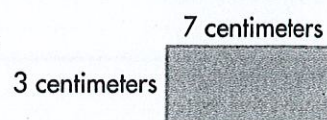
10.



11.



12.



Problem Solving

13. **Make Sense and Persevere** A league is a nautical measurement equal to about 3 miles. If a ship travels 2,000 leagues, about how many miles does the ship travel?

Name _____

Review What You Know

Vocabulary

Choose the best term from the box.
Write it on the blank.

- even number • odd number
- inverse operations • variable

1. A(n) _____ can be divided into groups of 2 without a remainder.
2. A symbol or letter that stands for a number is called a(n) _____.
3. Operations that undo each other are called _____.

Addition and Subtraction Patterns

Add or subtract to find the missing number in each pattern.

4. 3, 6, 9, 12, _____, 18
5. 4, 8, 12, _____, 20, 24
6. 8, 7, 6, _____, 4, 3
7. 30, 25, 20, 15, _____, 5
8. 1, 5, 9, _____, 17, 21
9. 12, 10, 8, 6, _____, 2





Multiplication and Division Patterns

Multiply or divide to find the missing number in each pattern.

10. 1, 3, 9, 27, _____, 243
11. 64, 32, 16, _____, 4, 2
12. 1, 5, 25, _____, 625
13. 1, 2, 4, 8, _____, 32
14. 1, 4, 16, _____, 256
15. 729, 243, 81, 27, 9, _____

Problem Solving

- 16. Look for Relationships** James places 1 counter in the first box. He places 2 counters in the second box, 4 counters in the third box, 8 counters in the fourth box, and continues the pattern until he gets to the tenth box. How many counters did James place in the tenth box?

									
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Review What You Know

Vocabulary

Choose the best term from the box.
Write it on the blank.

- angle
- right angle
- line
- sixth

1. A(n) _____ is one of 6 equal parts of a whole, written as $\frac{1}{6}$.
2. A(n) _____ is a figure formed by two rays that share the same endpoint.
3. A(n) _____ is an angle that forms a square corner.

Adding and Subtracting

Find the sum or difference.

4. $45 + 90$
5. $120 - 45$
6. $30 + 150$
7. $180 - 135$
8. $60 + 120$
9. $90 - 45$

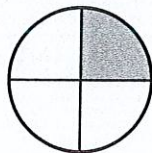
Parts of a Whole

Tell the fraction that represents the shaded part of the whole.

10. $\frac{\square}{\square}$



11. $\frac{\square}{\square}$



12. $\frac{\square}{\square}$



Dividing

Find the quotient.

13. $360 \div 6$
14. $180 \div 9$
15. $360 \div 4$

Problem Solving

16. **Make Sense and Persevere** Gary has \$4. Mary has twice as many dollars as Gary. Larry has 4 fewer dollars than Mary. How much money do Gary, Mary, and Larry have in all?

Review What You Know

Vocabulary

Choose the best term from the box.
Write it on the blank.

- angle
- quadrilateral
- polygon
- triangle

1. A _____ is a closed figure made up of straight line segments.
2. A polygon with three sides is a(n) _____.
3. A(n) _____ is formed by two rays with the same endpoint.

Shapes

Choose the best term to describe each shape. Use each term once.

Rectangle

Rhombus

Trapezoid



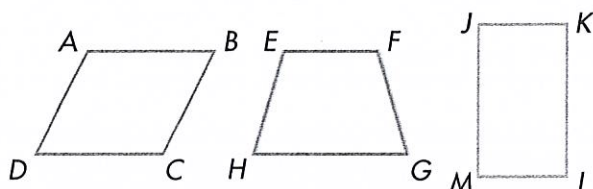
Lines

Use geometric terms to describe what is shown.



Problem Solving

10. **Generalize** Which generalization about these figures is **NOT** true?



- Each figure is a quadrilateral.
- Each figure has two pairs of parallel sides.
- Each figure has at least two sides of equal length.
- Each figure has 4 angles.