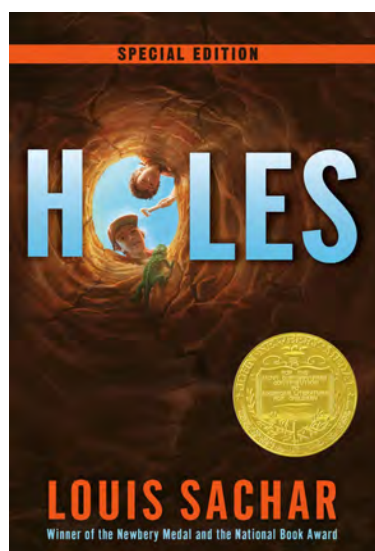# 5th Grade Summer Projects

Rising 5th grade students are required to read one book over the summer with the assignment to be completed as the book is read. Students are also required to complete a math packet.Bring the book, written assignment, and completed math packet with you on the **second** day of school.

Read: *Holes*, by Louis Sachar

Stanley Yelnats is under a curse. A curse that began with his no-good-dirty-rotten-pig-stealing- great-great-grandfather and has since followed generations of Yelnatses. Now Stanley has been unjustly sent to a boys' detention center, Camp Green Lake, where the boys build character by spending all day, every day digging holes exactly five feet wide and five feet deep. There is no lake at Camp Green Lake. But there are an awful lot of holes.

It doesn't take long for Stanley to realize there's more than character improvement going on at Camp Green Lake. The boys are digging holes because the warden is looking for something. But what could be buried under a dried-up lake? Stanley tries to dig up the truth in this inventive and darkly humorous tale of crime and punishment —and redemption.

Assignment: Please choose **ONE** of the following to complete after reading the book *Holes*.		
Choice 1	Choice 2	Choice 3
Create your own paper suitcase that opens and include replicas of items that you consider to be most valuable to you. Include reasons for your choices.	Design a Wanted Poster for one of the characters in the story. Be sure to include: *a sketch *nicknames *last known whereabouts *crime committed *reward *contact information *any other relevant information	Create a warning poster about the yellow spotted lizard. Be sure it is eye-catching and that it contains a lot of information.

Math Packet: All rising 5th graders are required to complete a summer math packet. Most students received this packet at the end of the school year. The packet is intended to help students retain concepts taught in fourth grade. It is suggested that they complete one page per week through the summer.

⚡ Fluency Blast

Practice using mental math. Find the equivalent fractions.

$\dfrac{2}{5} = \dfrac{}{10}$ $\dfrac{7}{8} = \dfrac{}{56}$ $\dfrac{2}{3} = \dfrac{}{15}$ $\dfrac{3}{4} = \dfrac{}{24}$ $\dfrac{3}{5} = \dfrac{}{15}$ $\dfrac{3}{7} = \dfrac{}{14}$

○ ○ ○ ○

Day 1

1. Write <, >, or = to make the statement true.

    0.72 ◯ 0.7

2. Round **65,367** to the nearest ten.

    _____

3. $\begin{array}{r} 23{,}496 \\ -19{,}001 \\ \hline \end{array}$

4. 1,764 ÷ 9 = _____

5. $4 \times \dfrac{5}{6} =$ _____

Day 2

1. Complete the table.

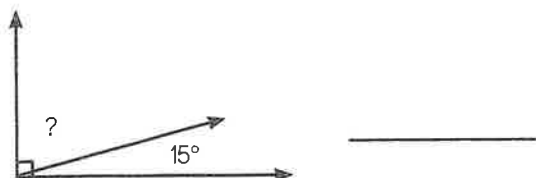 | − 150 | |
    |---|---|
    | 1,278 | 1,128 |
    | 1,288 | |
    | 1,298 | |
    | 1,308 | |
    | 1,318 | |

2. Cole's milkshake recipe calls for $\dfrac{7}{10}$ of a scoop of ice cream. Ivy's recipe calls for $\dfrac{8}{9}$ of a scoop of ice cream. How much more ice cream is needed for Ivy's milkshake than Cole's?
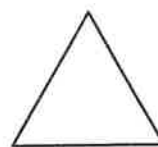
    _____

Day 3

1. Draw an angle that is 30°.

2. Draw an angle that is 110°.

3. Write the value of the missing angle.

    ? 15°   _____

Day 4

1. Which word best describes this triangle?

    A. equilateral   B. isosceles   C. scalene

2. Name the type of angle.

        _____

3. Draw a triangle that has angle measurements of 60°, 60°, and 60°. What kind of triangle is it?

    _____

⚡ Fluency Blast

Practice using mental math. Find the equivalent fractions.

$\dfrac{1}{6} = \dfrac{}{12}$ $\dfrac{4}{6} = \dfrac{20}{}$ $\dfrac{3}{7} = \dfrac{}{21}$ $\dfrac{5}{6} = \dfrac{}{42}$ $\dfrac{2}{6} = \dfrac{}{36}$ $\dfrac{5}{8} = \dfrac{40}{}$

○○○○

Day 1

1. Round **234.775** to the nearest hundred.

   _____

2. Rewrite in word form.

   560,654

   _____

   _____

3. If $\dfrac{1}{10} + \dfrac{6}{100} = \dfrac{16}{100}$, then $\dfrac{1}{10} + \dfrac{8}{100} = \dfrac{}{100}$.

4. Decompose $\dfrac{8}{15}$ in two ways.

Day 2

1. David needs 204 inches of yarn. How many yards should he buy? _____

2. Complete the table.

L	mL
1	1,000
2	
3	
4	
5	

Day 3

Draw angles for each measurement.

1. 50°
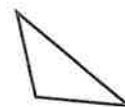
2. 125°

3. 70°

4. 45°

Day 4

1. Which word best describes this triangle?

   A. right   B. acute   C. obtuse

2. Draw a triangle that has angle measurements of 30°, 60°, and 90°. What kind of triangle is it?

   _____

3. Name the ray.

   _____

⚡ Fluency Blast

Practice using mental math. Find the equivalent decimals.

$$\frac{2}{10} \quad \frac{9}{10} \quad \frac{8}{10} \quad \frac{5}{10} \quad \frac{4}{10} \quad \frac{3}{10} \quad \frac{88}{100} \quad \frac{52}{100} \quad \frac{25}{100} \quad \frac{55}{100} \quad \frac{30}{100} \quad \frac{14}{100}$$

○○○○ ○

Day 1

1. $19{,}077$
    $+\ 12{,}465$

2. $3\frac{1}{4} + 3\frac{5}{8} =$ _____

3. $56 \times 22 =$ _____
    $692 \div 4 =$ _____

4. Decompose $\frac{7}{11}$ in two ways.

Day 2

1. Clarke has 360 marbles in bags. If 9 marbles are in each bag, how many bags does Clarke have? _____
    How many bags will he have if he gives 14 bags to his brother?_____

2. Melinda picked 54 daisies. Keisha picked 1.5 times more daisies than Melinda. How many daisies did Keisha pick? _____

3. The white horse ran $2\frac{1}{5}$ miles. The spotted horse ran $1\frac{2}{3}$ miles. How many total miles did the horses run? _____

Day 3

Use what you know about right and straight angles to find each missing angle measure.
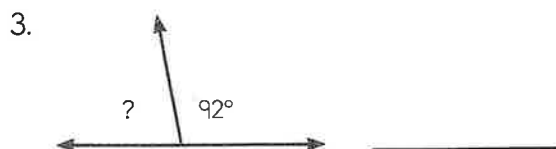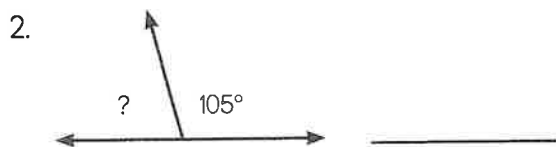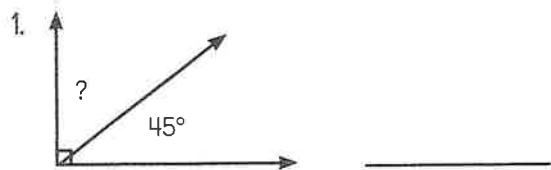
1. $45°$? _____

2. ? $105°$ _____

3. ? $92°$ _____

Day 4

1. Which word best describes this triangle?

    A. right   B. acute   C. obtuse

2. Name the line.

    W   X

    _____

⚡ Fluency Blast

Practice using mental math. Find the equivalent fraction for each decimal.

| 0.5 | 0.9 | 0.7 | 0.6 | 0.8 | 0.4 | 0.62 | 0.58 | 0.22 | 0.36 | 0.25 | 0.78 |

○ ○○○ ○

Day 1

1. $3\frac{5}{8}$

    $+\ \ \frac{7}{8}$

2. Write <, >, or = to make the statement true.

    $\frac{1}{5}$ ◯ $\frac{3}{10}$

3. Rewrite in standard form.

    eighty-nine thousand nine hundred eighty

    _____

4. Decompose $\frac{6}{15}$ in two ways.

Day 2

1. Determine the 12th shape of the pattern.
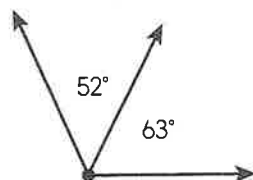
    ☆ □ ○ ☆ □ ○

    _____

2. Claire orders 5 boxes of toothbrushes. If she has 765 toothbrushes in all, how many are in each box? _____
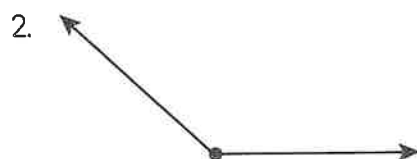
3. Veronica saw 142 tourists in July, August, and September. She saw 35 tourists in July and 89 tourists in August. How many tourists did Veronica see in September? _____

Day 3

1. What is the value of the complete angle?

    52°
    63°

    _____

    Use a protractor to measure each angle.

2. _____

3. _____

Day 4

1. Brantley drew a shape. The shape had 3 unequal angles. What shape could Brantley have drawn? _____

2. Name the segment.

    K
    J

    _____

3. Draw an irregular hexagon.

⚡ Fluency Blast

Practice using mental math. Find the simplest form for each fraction.

$\dfrac{6}{8}$ $\dfrac{3}{24}$ $\dfrac{20}{35}$ $\dfrac{15}{20}$ $\dfrac{10}{20}$ $\dfrac{6}{16}$ $\dfrac{5}{20}$ $\dfrac{4}{8}$ $\dfrac{4}{16}$ $\dfrac{6}{9}$ $\dfrac{4}{20}$ $\dfrac{3}{15}$

○○○○

Day 1

1. $\dfrac{2}{11} + \dfrac{5}{11} =$ _____

2. $\begin{array}{r} 56,847 \\ -45,096 \\ \hline \end{array}$ 3. $\begin{array}{r} 56,897 \\ -45,696 \\ \hline \end{array}$

4. Write <, >, or = to make the statement true.

$\dfrac{3}{5} \bigcirc \dfrac{1}{2}$

5. Write the decimal.

$\dfrac{45}{100} =$ _____

Day 2

1. Ryan eats $\dfrac{5}{10}$ of a sandwich. Amy eats $\dfrac{3}{10}$ of the same sandwich. How much more of the sandwich did Ryan eat than Amy?

_____

2. Whitney has 13 stickers. Arianna has 6 times as many stickers as Whitney. How many stickers does Arianna have? _____

3. Baily has 109 gems. Ronnie has 3 times as many gems as Baily. How many gems does Ronnie have? _____
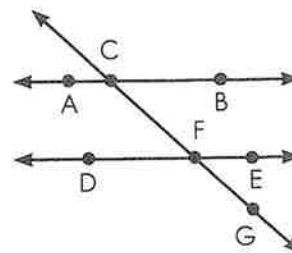
Day 3

1. Use a protractor to measure the angle.

_____

2. What is the value of the complete angle?

45°

97°

_____
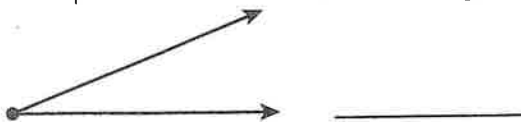
3. Draw an angle with a value of 65°.

Day 4

Use the figure to answer the questions.

C
A   B
F
D   E
G

1. Name four points. _____ , _____ ,
_____ . _____

2. Name two parallel lines. _____ ,
_____

3. Name two intersecting lines. _____ ,
_____

4. Name three rays. _____ ,
_____ . _____

⚡ **Fluency Blast**

Practice using mental math. Find the simplest form for each fraction.

$$\frac{3}{12} \qquad \frac{5}{15} \qquad \frac{8}{16} \qquad \frac{7}{21} \qquad \frac{5}{25} \qquad \frac{15}{30} \qquad \frac{2}{8} \qquad \frac{14}{21} \qquad \frac{12}{16} \qquad \frac{4}{8} \qquad \frac{7}{14} \qquad \frac{20}{30}$$

○ ○○○

Day 1

1. $\frac{7}{8}$
   $-\frac{2}{12}$
   ‾‾‾‾‾

2. $3 \times \frac{1}{4} =$

3. $\frac{5}{10} + \frac{7}{100} = \dfrac{\quad}{100}$

4. Write the decimal.
   $\frac{6}{10} =$ _____

5. Round **138,206** to the nearest ten thousand.

   _____

Day 2

1. Samaria needs $\frac{1}{4}$ of a gallon of water for her water balloon. Norris needs $\frac{3}{8}$ of a gallon of water for his water balloon. How much more water does Norris need than Samaria?

   _____

2. Complete the table.

× 3	
41	123
45	
49	
53	
56	

Day 3

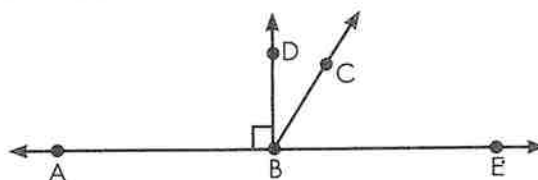1. Use a protractor to measure the angle.

   _____

2. What is the value of the complete angle?

   51°
   12°
   _____

3. Draw an angle with a value of 56°.

Day 4

Use the figure to answer the questions.

1. Name 3 three points. _____, _____, _____

2. Name two perpendicular lines. _____, _____

3. Name four line segments. _____, _____, _____, _____

4. Name four rays. _____, _____, _____, _____

⚡ Fluency Blast

Practice using mental math. Find the simplest form for each fraction.

$$\frac{4}{12} \qquad \frac{2}{8} \qquad \frac{5}{30} \qquad \frac{3}{9} \qquad \frac{2}{6} \qquad \frac{3}{15} \qquad \frac{3}{12} \qquad \frac{8}{24} \qquad \frac{6}{18} \qquad \frac{15}{21} \qquad \frac{7}{28} \qquad \frac{12}{15}$$

○ ○ ○ ○

Day 1

1. $4\frac{2}{8}$
   $+ 1\frac{7}{8}$
   ____

2. $5\frac{1}{6}$
   $- 3\frac{4}{6}$
   ____

3. Write the decimal.
   $\frac{65}{100} = $ ____

4. Write <, >, or = to make the statement true.
   $\frac{4}{10}$ ◯ $\frac{1}{8}$

5. $\frac{}{10} = \frac{60}{100}$

Day 2

1. Joshua saves $2,854. He wants to invest half of the money and put the rest in his savings account. How much money will Joshua invest?

   _____

2. Sarah got 10 marbles from the store and 5 from her mom. Sarah's teacher gave her 18 marbles. Sarah gave 12 marbles to her friend. How many marbles does Sarah have left?
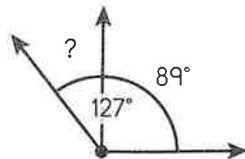
   _____

3. Lamonte needs 16 quarts of punch for a party. How many gallons of punch does Lamonte need to buy? _____
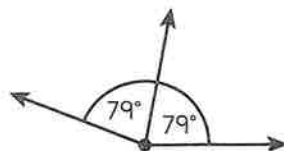
Day 3

1. Write the value of the angle.

   ____
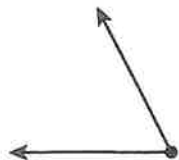
2. What is the value of the missing angle?

   ? 89°
   127°

   ____

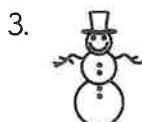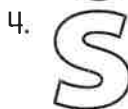3. What is the value of the complete angle?

   79° 79°

   ____

Day 4

Determine if the shape has one or more lines of symmetry and write **yes** or **no**. If yes, draw all of the lines of symmetry.

1. ____

2. ____

3. ____

4. S ____

1. Melanie put $582 in the bank. Her brother put 3 times as much money in the bank. Her sister put $\frac{1}{3}$ as much money in the bank. How much money combined did Melanie's brother and sister put in the bank? _____

2.
$$1\frac{2}{6}$$
$$+\ 1\frac{5}{8}$$
_____

3.
$$\frac{11}{12}$$
$$-\ \frac{6}{10}$$
_____

4. Marcella sold pizzas yesterday. Of the pizzas she sold, $\frac{1}{6}$ were small, $\frac{1}{3}$ were large, and $\frac{1}{2}$ were extra large. What fraction of the pizzas sold were large or extra large?
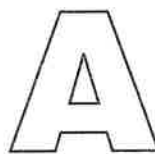
_____

5. $4{,}963 \div 7 =$ _____

6. Two boxes of gold weigh 4 pounds 8 ounces each. Each pound is worth $500. How much are the boxes of gold worth altogether?

_____

7. Use a protractor to measure the angle.

_____
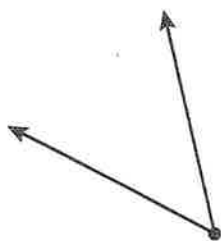
8. Determine if the shape has one or more lines of symmetry and write **yes** or **no**. If yes, draw all of the lines of symmetry.

_____

Design a classroom that has at least two lines of symmetry. What were some things that made this task easy? What were some things that made this task difficult?