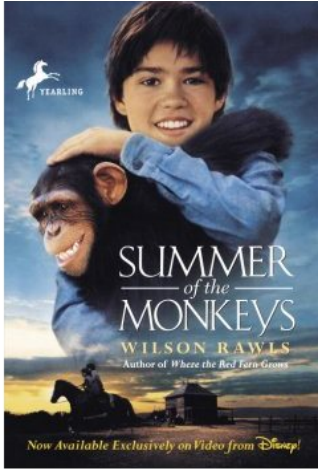


Middle School Summer Projects

6th Grade Literature

Read: *Summer of the Monkeys* by Wilson Rawls



Assignment:

Write a one page (typed) summary of the book. Include why and what you liked about the book.

6th Grade Math

Assignment:

Complete the following math packet. It is suggested that you complete one page per week. Bring the completed packet with you to school on Thursday, August 10.



Fluency Blast

Practice finding the mixed numbers using mental math.

$$\frac{43}{5} \quad \frac{23}{8} \quad \frac{21}{5} \quad \frac{43}{6} \quad \frac{47}{5} \quad \frac{34}{11} \quad \frac{13}{4} \quad \frac{20}{14} \quad \frac{32}{9} \quad \frac{8}{3}$$



Day 1

- $\frac{5}{6} - \frac{1}{3} =$ _____
- $\frac{6}{7} - \frac{5}{9} =$ _____
- Bonnie measured $1\frac{2}{3}$ quarts of cherries and $\frac{1}{4}$ of a quart of peaches. How much more were there of cherries than peaches?

- The football team ordered two pizzas. They did not eat $\frac{1}{12}$ of one pizza and $\frac{2}{4}$ of the other. How much pizza was left? _____

Day 2

Write the matching expressions.

- 3 times the sum of 2 and 46

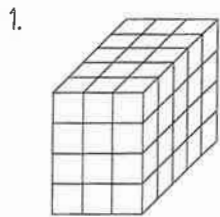
- 16 more than the product of 2 and 9

- subtract 4 from 29, then double

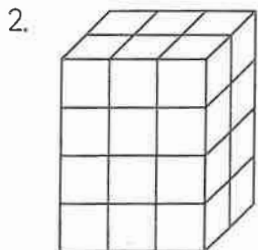
- 6 less than the quotient of 90 and 9

Day 3

Find the volume by counting the unit cubes.



_____ unit cubes



_____ unit cubes

Day 4

Complete the table.

Polygons	Number of Sides	Number of Angles
	3	
quadrilateral		
		5
hexagon		
heptagon		
	8	



Fluency Blast

Practice finding the equivalent fractions using mental math.

$$\frac{1}{7} = \frac{4}{\quad}$$

$$\frac{4}{5} = \frac{12}{\quad}$$

$$\frac{1}{2} = \frac{22}{\quad}$$

$$\frac{8}{10} = \frac{24}{\quad}$$

$$\frac{1}{5} = \frac{4}{\quad}$$



Day 1

1. $67.80 \div 10 =$ _____

2. $410 \times 67 =$ _____

3.
$$\begin{array}{r} 6.43 \\ + 4.58 \\ \hline \end{array}$$

4. Mason spent \$48.74 on new speakers and \$25.39 on computer games. After his purchases, he only had \$0.58 left. How much money did Mason have before he went shopping?

Day 2

1. Complete the table.

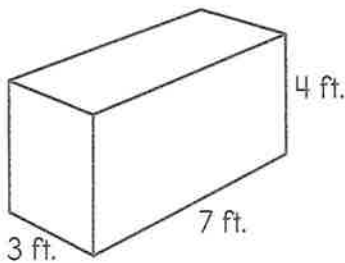
Input	$\times 2$
21	42
22	
23	
24	
25	

2. What will the number be when the input is 55?

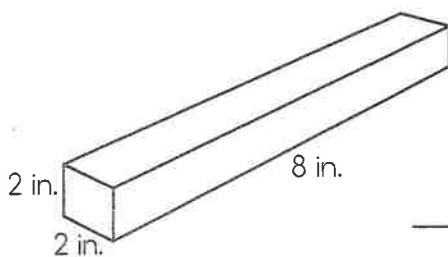
Day 3

Find the volume of each rectangular prism.

1.



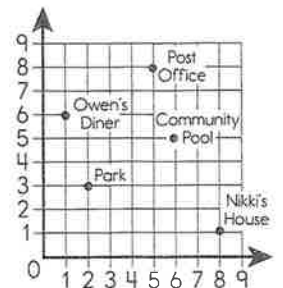
2.



Day 4

List the coordinates for these locations.

- Owen's Diner (_____, _____)
- Park (_____, _____)
- Community Pool (_____, _____)
- Post Office (_____, _____)



**Fluency Blast**

Practice finding the mixed numbers using mental math.

$\frac{16}{10}$

$\frac{12}{8}$

$\frac{9}{6}$

$\frac{21}{8}$

$\frac{17}{6}$

$\frac{20}{18}$

$\frac{22}{17}$

$\frac{20}{3}$

$\frac{13}{8}$

$\frac{14}{4}$

**Day 1**

1. Compare the numbers using
- $<$
- ,
- $>$
- , or
- $=$
- .

0.72 0.7

2. Write
- 54.039**
- in word form.

3. 3 hundred = _____ ones

- 4.
- $840 \div 10^3 =$
- _____

5. Round
- 4.769**
- to the nearest hundredth.

Day 2

- 1.
- $(1,392 \div 6) \times (9000 \div 10^3) =$
- _____

2. Write a matching expression for
- subtract the difference of 20 and 13 from 70*
- .

3. Wren is putting bagels into boxes. She puts 8 bagels each into 325 boxes and 12 bagels each into 150 boxes. She has 6 bagels left over. How many bagels did Wren start with?

Day 3

Find the volume.

- 1.
- $l = 6.5$
- cm

$w = 2.5$ cm

$h = 4$ cm

$V =$ _____

- 2.
- $l = 4$
- km

$w = 5.3$ km

$h = 6.5$ km

$V =$ _____

3. 10 pt. = _____ qt.

Day 4

Graph and label each ordered pair.

1. A (7, 2)

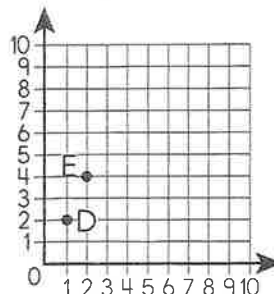
2. B (7, 0)

3. C (3, 3)

Identify the following points found on the graph.

4. D (_____, _____)

5. E (_____, _____)





Fluency Blast

Practice using mental math.

1.2×10

0.28×100

$5.7 \times 1,000$

1.04×100

0.16×100

$2.8 \times 1,000$

2.4×10

100×1.2

3.05×10

$3.4 \times 1,000$



Day 1

1. $\frac{1}{3} + \frac{2}{12} =$ _____

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

3.
$$\begin{array}{r} \frac{1}{2} \\ - \frac{1}{6} \\ \hline \end{array}$$

4. Tia has two packages to mail. Her packages weigh $6\frac{1}{8}$ pounds total. If Tia's first package weighs $4\frac{1}{2}$ pounds, how many pounds does her second package weigh?
- _____

Day 2

Write the matching expressions.

1. 5 times the sum of 3 and itself
- _____

2. 6 increased by 14 divided by 7
- _____

3. 2 times 3 plus 9
- _____

4. 2 less than the product of 5 and 9
- _____

5. 6 less than the sum of 77 and 17, halved
- _____

Day 3

1. Ms. Ferris owns a barn that is 12 yards long, 11 yards wide, and 9 yards high. If Ms. Ferris's barn is rectangular, what is the volume of the barn? _____
2. A toy doll was sent to Lucy in a box that is 8 inches long, 5 inches wide, and 15 inches high. What is the volume of the box?
- _____
3. A swimming pool is 8 meters in length, 6 meters in width, and 3 meters in depth. What is the volume of the swimming pool?
- _____

Day 4

Give two examples of polygons that share the attributes.

1. 4 right angles _____
- _____
2. at least one pair of parallel sides _____
- _____
3. at least one right angle _____
- _____



Fluency Blast

Practice using mental math.

$$\begin{array}{r} 0.2 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 0.08 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 0.7 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 0.14 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 0.06 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 0.8 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 0.04 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 0.2 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 0.5 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 0.3 \\ \times 5 \\ \hline \end{array}$$



Day 1

- $\frac{1}{4} \div 3 =$ _____
- $\frac{4}{6} \times \frac{3}{5} =$ _____
- Brandy has 8 pounds of candy. She wants to give each of her friends $\frac{1}{3}$ pound. To how many friends can Brandy give candy?

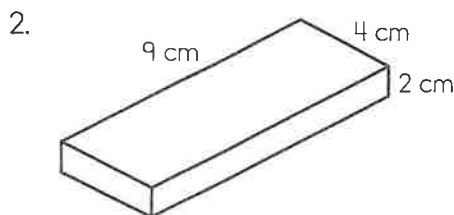
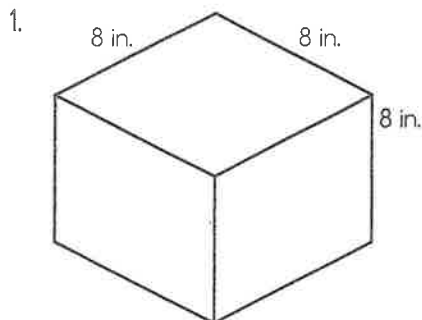
- Stephan can mow $2\frac{1}{2}$ acres of lawn in 1 day. How many acres of lawn can he mow in $2\frac{1}{3}$ days? _____

Day 2

- Trolley cars are carrying 1,845 passengers. Each trolley car can hold 40 passengers. How many trolley cars are needed to hold all of the passengers? _____
- Seth drove 129 minutes on Monday. He drove 98 minutes on Tuesday and 73 minutes on Wednesday. How many hours did Seth spend driving altogether? _____
- Brianna buys 5 yards of blue fabric. Then, she buys 2 feet of red fabric and 4 feet of green fabric. How many inches of fabric does Brianna buy altogether? _____

Day 3

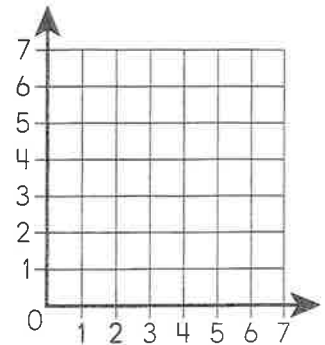
Find the volume of each figure.



Day 4

Graph the coordinates. Connect them in the order they are listed.

- (2, 5) and (2, 1)
- (2, 5) and (4, 3)
- (4, 3) and (6, 5)
- (6, 5) and (6, 1)



- What letter did you make? _____



Fluency Blast

Practice using mental math.

$9 \overline{)2.7}$ $7 \overline{)2.1}$ $4 \overline{)0.16}$ $8 \overline{)5.6}$ $6 \overline{)0.30}$ $8 \overline{)0.64}$ $9 \overline{)0.27}$ $7 \overline{)0.28}$ $3 \overline{)2.7}$ $9 \overline{)5.4}$



Day 1

- Write **45.678** in expanded form.

- _____ thousands = 5,000 ones
- Round **33.01** to the nearest tenth. _____
- Compare the numbers using $<$, $>$, or $=$.
0.293 0.29
- $3.5 \times 10^4 =$ _____

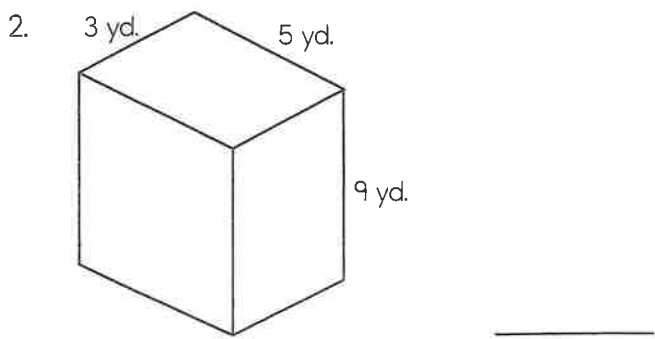
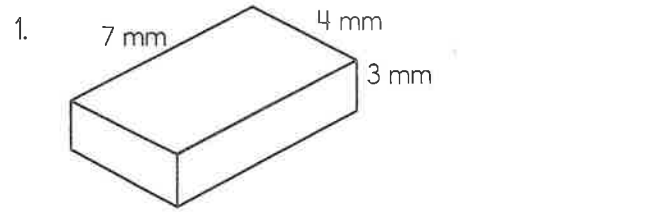
Day 2

- $90 - (3 + 9) \times 7 =$ _____
- Write a matching expression for *double the product of 6 doubled*.

- Sean is packaging tennis balls. He puts 3 tennis balls each into 150 packages and 5 tennis balls each into 75 packages. He has 2 tennis balls left over. How many tennis balls did Sean start with?

Day 3

Find the volume of each figure.



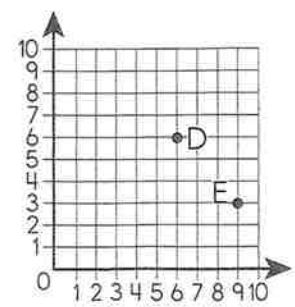
Day 4

Graph and label each ordered pair.

- A (4, 4)
- B (5, 2)
- C (3, 3)

Identify the following points found on the graph.

- D (_____, _____)
- E (_____, _____)





Fluency Blast

Practice using mental math.

3.67×10^4

$68 \div 10^3$

11.4×10^2

$5.9 \div 10$

21.24×10^3

$8.6 \div 10^2$

7.8×10

$9.21 \div 1$

13×10^3

$10.5 \div 10^2$



Day 1

1. $10 - \frac{1}{2} =$ _____

2. $\frac{4}{5} + \frac{1}{10} =$ _____

3. $\frac{5}{6} \times \frac{1}{5} =$ _____

4. Benjamin added $1\frac{2}{3}$ cups of flour to his mixing bowl and then realized he had put in too much. He took $\frac{1}{4}$ cup of the flour out of the bowl. How much flour did Benjamin's recipe call for?
- _____

Day 2

Write the matching expressions.

1. 6 times 4 plus 3 times 4
- _____

2. $\frac{1}{4}$ times 8 increased by 11
- _____

3. the sum of 10 and 12 divided by 2
- _____

4. $\frac{1}{2}$ of 8 minus 2
- _____

Day 3

Find the volume.

1. $l = 4$ centimeters

$w = 6$ centimeters

$h = 2$ centimeters

$V =$ _____ cubic centimeters

2. $l = 10$ centimeters

$w = 8$ centimeters

$h = 3$ centimeters

$V =$ _____ cubic centimeters

Day 4

Draw each polygon. Then, list its attributes.

1. trapezoid

2. rhombus

3. parallelogram



Fluency Blast

Practice using mental math.

$\frac{1}{4} \div 8 =$ _____ $12 \div \frac{1}{6} =$ _____ $4 \div \frac{1}{8} =$ _____ $\frac{1}{2} \div 4 =$ _____ $\frac{1}{9} \div 3 =$ _____

$\frac{1}{3} \div 9 =$ _____ $8 \div \frac{1}{2} =$ _____ $6 \div \frac{1}{3} =$ _____ $\frac{1}{7} \div 4 =$ _____ $4 \div \frac{1}{10} =$ _____

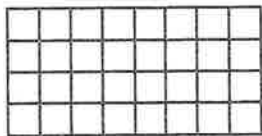


Day 1

1. $\frac{3}{4} \div \frac{1}{2} =$ _____

2. $\frac{1}{3} \times \frac{2}{5} =$ _____

3. Shade the area on the grid that shows $\frac{7}{8} \times \frac{3}{4}$.



4. Of the shoes in Liza's closet, $\frac{1}{2}$ are sandals. Of the sandals, $\frac{1}{2}$ are brown. What fraction of Liza's shoes are brown sandals? _____

Day 2

1. The Equipment Shop sold 950 golf balls in buckets. If each bucket holds 100 golf balls, how many buckets did the store sell? _____

2. Jonathon's bakery has 1,294 cups of frosting. If each cake he frosts uses 2 cups of frosting, how many cakes can he frost? _____

3. Mrs. Irving's class ate $\frac{1}{5}$ of their green pepper pizza and $\frac{9}{12}$ of their pepperoni pizza. Which pizza did they eat more of? Explain. _____

Day 3

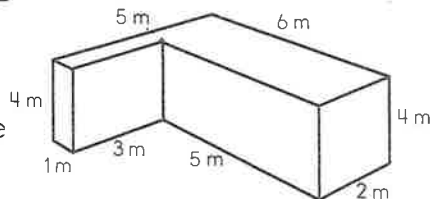
1. Find the volume.

$l = 4.5$ m

$w = 3$ m

$h = 8.5$ m

$V =$ _____



2. Find the volume of the figure.

3. A new sandbox measures 12 feet long, 1 foot high, and 6 feet wide. What volume of sand can it hold? _____

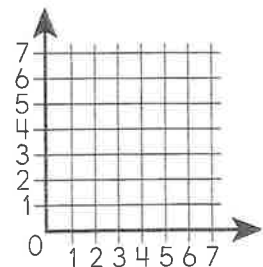
Day 4

1. Graph the coordinates. Connect them in the order they are listed.

(2, 6) and (4, 4)

(4, 4) and (6, 6)

(4, 4) and (4, 1)



2. What letter did you make? _____