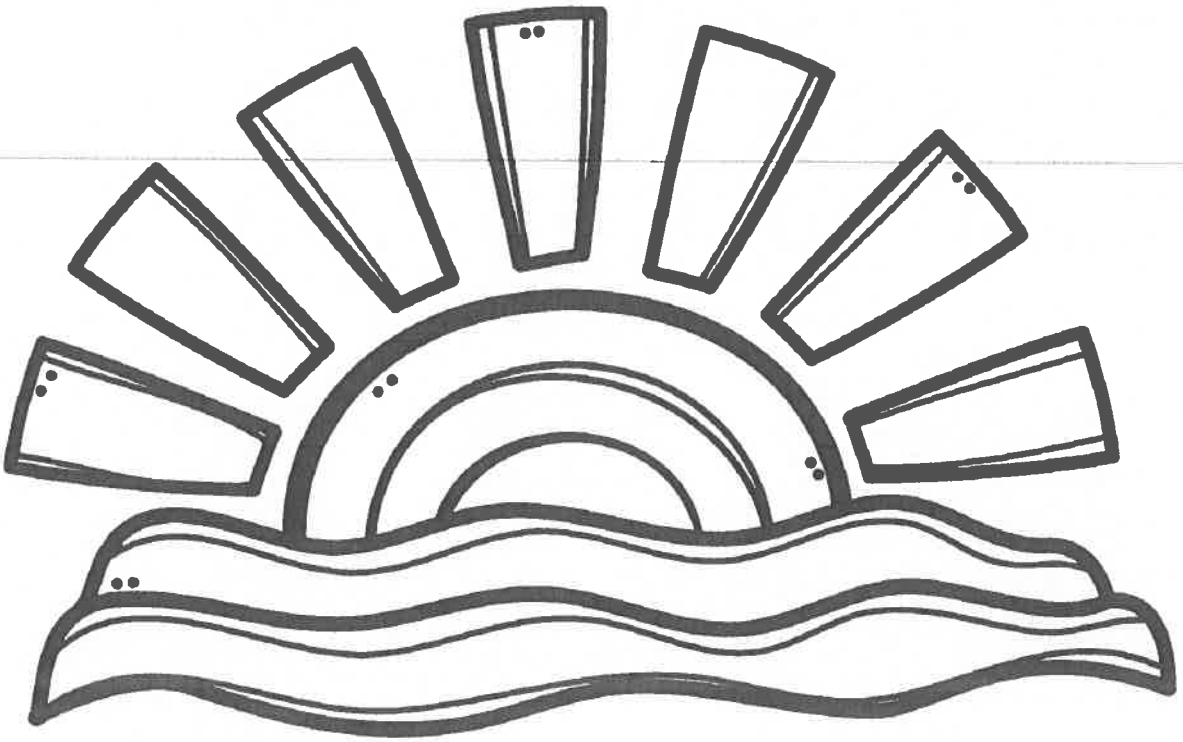
SUMMER PACKET

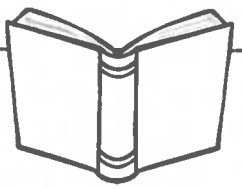
Fourth Grade



NAME:

READING LOG

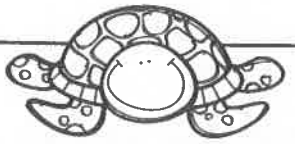
READING



Keep a record of the books you read during SUMMER VACATION.

TITLE OF BOOK	AUTHOR	PAGES READ	DATE READ

Monday, Week 1

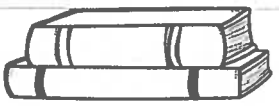


MATH

Write the values of the underlined numbers.

567,4<u>3</u>2		<u>4</u>09,823	
30<u>9</u>,752		1,<u>9</u>80	
12,45<u>6</u>		493,6<u>0</u>9	
<u>1</u>23,821		2<u>0</u>8,675	
5<u>7</u>,342		5<u>5</u>5,43<u>5</u>	
234,<u>7</u>35		<u>2</u>3,452	
77,8<u>4</u>6		90,<u>8</u>41	
<u>9</u>0,345		<u>7</u>85,630	
19<u>8</u>,709		89<u>9</u>,<u>1</u>09	
185,4<u>0</u>9		63<u>8</u>,445	

ELA



Look up the following words in the dictionary. Write their meanings.

WORD	MEANING
enigma	
peril	
recollection	
fasting	
determination	
coward	
steel	
façade	
devastated	
elongate	

Tuesday, Week 1

MATH

Roll a die to make 4-digit numbers, e.g., 1, 6, 4 and 2 would make 1,642. Repeat until you have made three numbers. Add the three numbers.

1. _____ + _____ + _____ = _____
2. _____ + _____ + _____ = _____
3. _____ + _____ + _____ = _____
4. _____ + _____ + _____ = _____
5. _____ + _____ + _____ = _____
6. _____ + _____ + _____ = _____
7. _____ + _____ + _____ = _____
8. _____ + _____ + _____ = _____
9. _____ + _____ + _____ = _____
10. _____ + _____ + _____ = _____
11. _____ + _____ + _____ = _____
12. _____ + _____ + _____ = _____

WORKING OUT SPACE

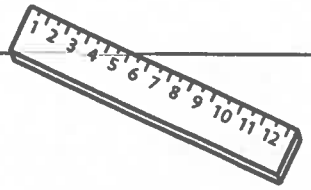
ELA

Find the prepositions in the word search.

W	H	Q	S	U	Z	N	E	X	T	T	O	I	P
J	B	E	H	I	N	D	L	M	J	K	U	V	B
F	E	N	O	Y	T	D	D	G	T	Y	T	A	Q
V	L	M	K	R	F	Y	E	U	N	B	S	C	H
Z	O	R	J	S	A	L	I	R	J	L	I	R	G
J	W	W	C	I	Z	E	A	I	O	T	D	O	U
A	M	B	E	F	D	Q	N	V	G	Z	E	S	O
B	Q	M	W	I	N	S	I	D	E	S	D	S	R
O	W	Q	S	B	E	N	E	A	T	H	P	L	H
V	Q	E	Z	P	G	T	R	L	T	Y	Q	S	T
E	B	N	E	E	W	T	E	B	N	B	V	M	X

behind
above
below
under
between
through
beside
next to
near
inside
outside
beneath
across

Wednesday, Week 1



MATH

Measure the following objects to the nearest ¼ inch.
Record the answers in the table.

width of a door		length of your hair	
width of a TV screen		height of a chair	
length of a table		width of the fridge	
length of a wall		length of your bed	

Write the measurements in order from shortest to longest.

_____

_____

_____

Add the lengths. If you placed the objects in a row from end to end, how long would it be?

ELA

What does the idiom mean? Fill out the information below.

IDIOM: *chase your tail*	
ILLUSTRATION OF LITERAL MEANING:	ILLUSTRATION OF ACTUAL MEANING:

WHAT DOES THE IDIOM MEAN?

_____

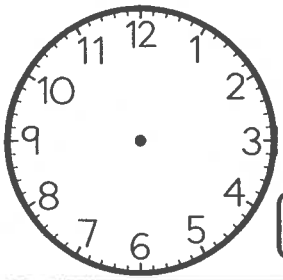
_____

_____

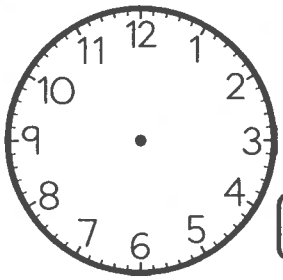
Thursday, Week 1

MATH

Draw times on the clocks that match the descriptions. Write the digital time on the right.



2 hours after 6:45	2 hours before 1:35	2 ½ hours after 7:30



2 ½ hours before 4:20	2 ¼ hours before 9:00	2 ¼ hours after 11:40

ELA

Add your own words to complete the cloze passage.

Melody _____ down the hallway. She was wearing a blue _____, red _____ and yellow _____. She held a _____ under her arm. She _____ out to her friend to let him know that she _____ going to _____ her dad.

"_____," he _____. "I will see you later!"

Melody ran down the _____. Her dad's car was _____ by the curb. Melody _____ toward him with a big _____ on her face.

"Where are we going?" _____ asked.

"We are _____ to the mall for _____," he said.

Melody _____ with excitement. She _____ into the car and her dad started the _____. They _____ down the street toward the mall.

Friday, Week 1

MATH

Round the amounts to the nearest 10 dollars (Q1-12) and the nearest 100 dollars (Q13-24).

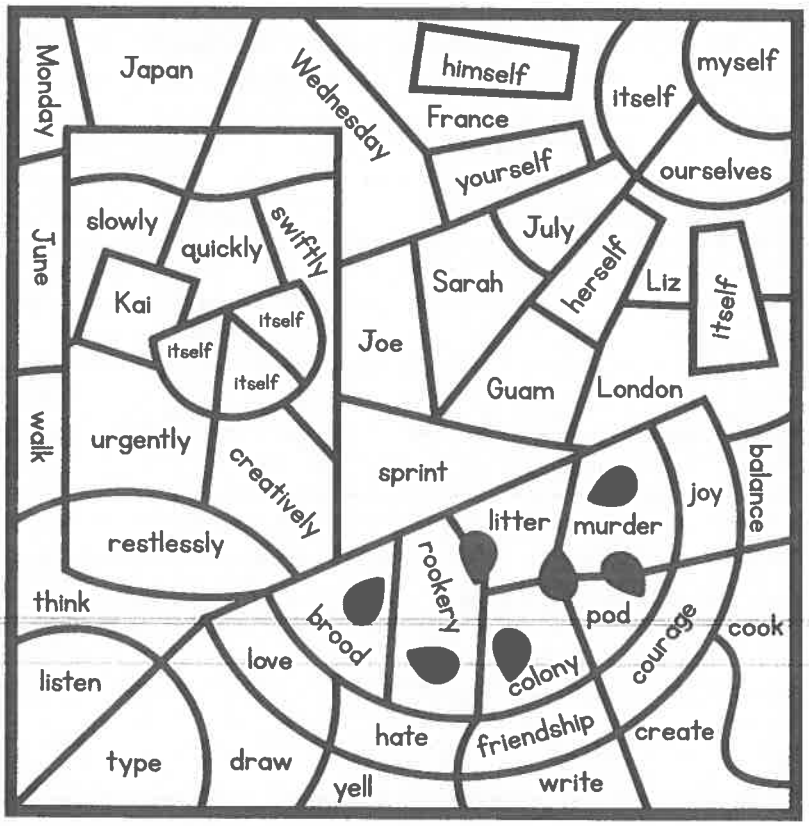
1. $56.87 _____
2. $13.45 _____
3. $47.82 _____
4. $76.60 _____
5. $63.52 _____
6. $51.10 _____
7. $18.99 _____
8. $156.65 _____
9. $129.40 _____
10. $177.77 _____
11. $223.98 _____
12. $408.83 _____
13. $168.05 _____
14. $823.49 _____
15. $289.20 _____
16. $756.50 _____
17. $1,230.99 _____
18. $1,983.06 _____
19. $1,008.87 _____
20. $1,453.32 _____
21. $2,230.70 _____
22. $3,567.01 _____
23. $6,730.51 _____
24. $8,435.90 _____

ELA

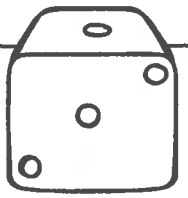
Color the picture by matching the parts of speech.

GREEN	abstract nouns
PINK	collective nouns
BLUE	proper nouns
YELLOW	reflexive pronouns
PURPLE	verbs
ORANGE	adverbs

Write 10 adjectives that you would NOT use to describe yourself.



Monday, Week 2



MATH

Roll a die twice to make two-digit numbers, e.g., 1 and 2 would make 12. Solve the equations.

1. _____ x _____ = _____
2. _____ x _____ = _____
3. _____ x _____ = _____
4. _____ x _____ = _____
5. _____ x _____ = _____
6. _____ x _____ = _____
7. _____ x _____ = _____
8. _____ x _____ = _____
9. _____ x _____ = _____
10. _____ x _____ = _____
11. _____ x _____ = _____
12. _____ x _____ = _____

Use this space to work out the more difficult equations!

ELA

Search around your current place of residence for common nouns. Write what they are and where you found them. Add an adjective to describe the common nouns.

ADJECTIVE	COMMON NOUN	WHERE WAS IT?
sharp	rock	on the lawn

Use the table above to write similes, e.g., "as sharp as a rock on the lawn".

_____

_____

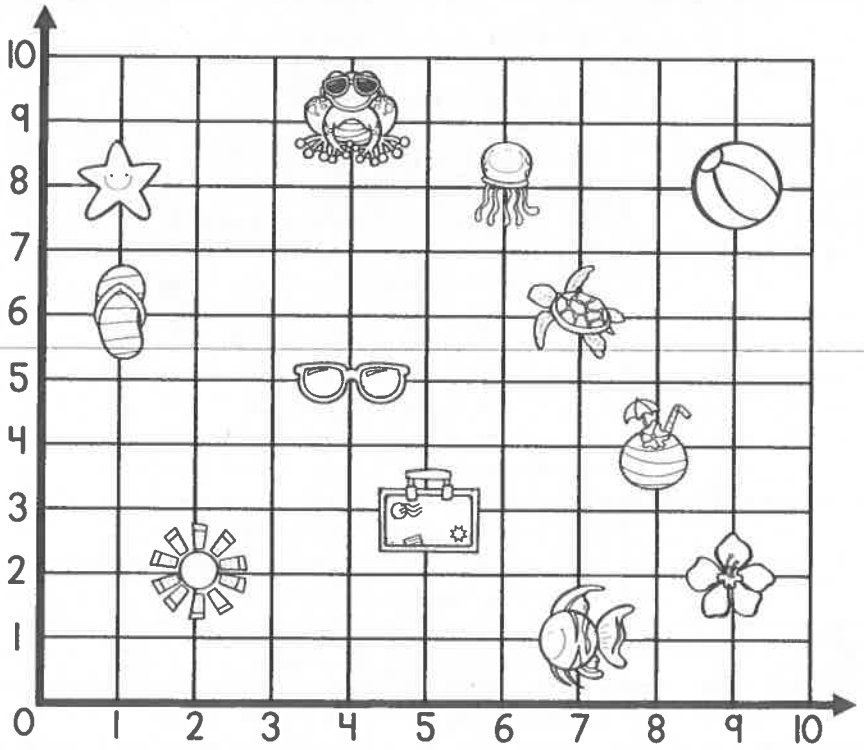
_____

Tuesday, Week 2

The x-axis goes across, and the y-axis goes up. (x, y)

MATH

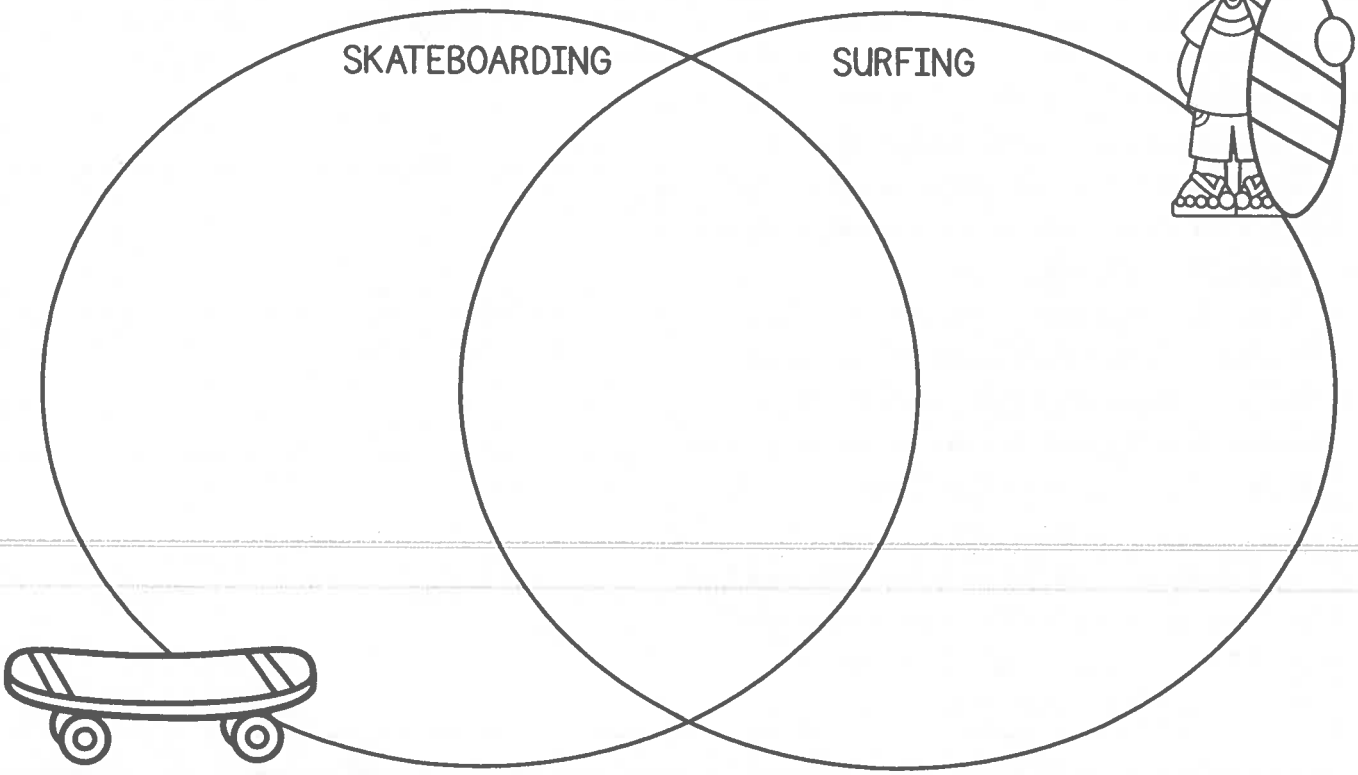
Find and write the coordinates for the following objects.



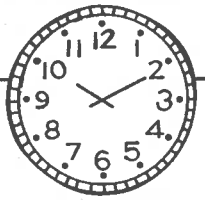
ITEM	COORDINATES
frog	
coconut	
sun	
turtle	
sunglasses	
fish	
ball	
flip flop	
suitcase	
starfish	
jellyfish	
hibiscus	

ELA

Compare and contrast SKATEBOARDING and SURFING.



Wednesday, Week 2



MATH

Answer the following questions.

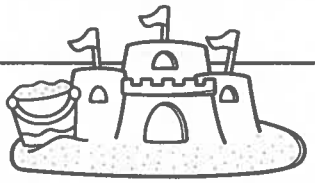
How many days in 6 weeks?	How many years in 12 decades?
How many days in 3 regular years?	How many hours in a week?
How many seconds in 9 minutes?	How many hours in a weekend?
How many days in Sep., Oct. and Nov.?	How many days in two leap years?
How many days in 3 fortnights?	How many hours in a three-day weekend?
How many hours in 3 days?	How many years in 5 decades?
How many minutes in 5 hours?	How many years in 12 decades?
How many minutes in 20 hours?	How many days in 6 leap years?
How many decades in 6 centuries?	How many days in 8 non-leap years?
How many decades in 11 centuries?	How many minutes in 7 hours?
How many seconds in five minutes?	How many seconds in 2 hours?
How many hours in 8 days?	How many seconds in 3 hours?

ELA

Use the context clues to determine what the underlined words mean in the passage.

Shoshanna didn't want to go to the new dance class. The style was <u>contemporary</u> and she always fancied herself as a hip hop dancer. However, Shoshanna knew that her mother really wanted her to try the class, so she strapped on her shoes and <u>resolved</u> to give it a go. When the dance teacher started the lesson, Shoshanna thought she'd be able to keep up with the other dancers. But a little while into it, she realized how <u>uncoordinated</u> she was in comparison. In fact, it was a bit <u>mortifying</u> to not be able to leap and twirl as well as everyone else. At the end of class, Shoshanna's mother said that she didn't have to attend the class anymore. But Shoshanna felt <u>exhilarated</u>. She'd loved the challenge and didn't want to quit!	contemporary resolved uncoordinated mortifying exhilarated

Thursday, Week 2



MATH

Write the fraction statements under TRUE or FALSE.

TRUE	FALSE

1/3 > 1/2	3/8 < 1/2	5/6 > 7/9	2/3 < 3/6	4/6 < 2/3
5/6 < 4/7	5/6 > 3/4	9/10 > 4/5	5/12 < 4/9	1/4 > 2/5
3/4 > 5/8	3/8 > 2/5	4/7 < 3/5	3/4 < 2/3	2/3 > 3/8

ELA

Change the indirect speech into direct speech.

1) Jason said that he didn't want to go to the beach.

_____

2) Lisa and Natalie said they needed some money for the shopping.

_____

3) Wendy told Hannah to stop running.

_____

4) Fred's sister asked him to pick up his toys.

_____

5) Terry asked his teacher if he could play in the sandpit with Jenson.

_____

6) I opened the door and yelled to my dad that dinner was ready.

_____

Friday, Week 2

MATH

Solve the long division questions. Remember to show your working.

a) $4\overline{)4897}$	b) $5\overline{)6895}$	c) $2\overline{)7622}$	d) $3\overline{)8929}$

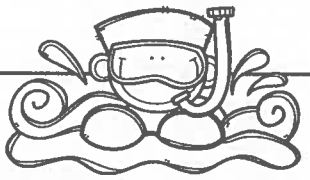
ELA

Color to show what type of sentences these are...

DECLARATIVE	INTERROGATIVE	IMPERATIVE	EXCLAMATORY
blue	purple	green	yellow

a) What would you like to eat for dinner tonight?
b) Cordelia has an older sister and three younger brothers.
c) I cannot wait until we go on vacation to Italy over Christmas!
d) Make sure you look both ways when you cross the road!
e) The sun shone brightly over the little seaside town.
f) It is incredible to know that today is my last day of school for the year!
g) There is a house on the hill that is for sale.
h) How many people did you invite to your birthday party in the fall?
i) You must read three chapters of the book by next Friday.

Monday, Week 3

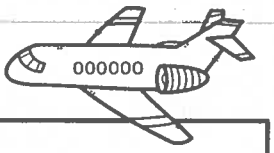


MATH

Solve the equations.

1. (4 x 11) + 84 = _____
2. (4 x 25) - 76 = _____
3. 12 x (30 ÷ 5) = _____
4. (50 ÷ 25) x 567 = _____
5. (100 x 12) ÷ 3 = _____
6. 1,000 x (18 ÷ 3) = _____
7. (144 ÷ 12) + 365 = _____
8. (7 x 7) x 100 = _____
9. (132 ÷ 12) x 90 = _____
10. (120 x 30) ÷ 10 = _____
11. (832 - 294) + 189 = _____
12. (430 x 100) ÷ 20 = _____
13. (50 x 45) + 929 = _____
14. (81 ÷ 9) x 4,000 = _____
15. (9 x 7) + 88 = _____
16. 60 x (823 - 776) = _____
17. (964 + 120) x 2 = _____
18. (750 ÷ 75) x 480 = _____
19. 475 - (3 x 29) = _____
20. (978 - 348) x 4 = _____
21. (14 x 6) + 83 = _____
22. (25 ÷ 5) x 720 = _____
23. 34 + (2 x 3 x 5) = _____
24. (10 x 440) x 10 = _____

ELA



Circle the spelling error and write the correct spelling in the box.

1) Sera positoned the tile on the wall.	
2) Kyan denyed that he was the one who broke the vase.	
3) Riley felt motion sick when he traveled on the plain.	
4) I keyed 50 into the calculator and presed equals.	
5) Freya flipped to the larst page and started to read.	
6) I was absolutely exhorsted and I went to sleep.	
7) Frankie maried Lucy on a tropical island.	
8) It was hot and sticky at the school faire.	
9) Marigold wundered why everyone was going to the park.	
10) Nathan knealed on the ground as he planted the seed.	

Tuesday, Week 3

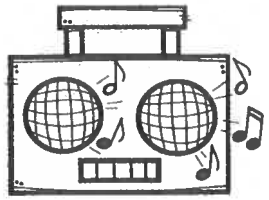
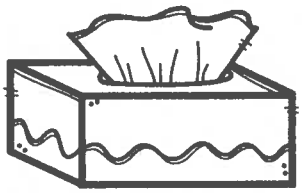
MATH

Complete the addition and subtraction equations by adding the four missing digits.

8 8	4 8	2 0	3 4	1 6
+ 2 4	+ 4 3	+ 6 7	+ 4 7	+ 9 7
8 2 4 3	9 7 7 3	9 4 7 6	8 7 7 4	7 9 8 2
4 6	4 3	6 0 9	8	6 2
+ 4 4	+ 2 8	− 5	− 4 9 8	− 3 4
7 5 0 1	9 6 3 6	2 0 2 0	4 4 0 1	3 6 8 9
8 7	9 4	8 6	5 6 3	6 8
− 4 9	− 7 4	− 5 6	− 8	− 6 5
3 4 6 5	5 5 8 8	2 7 9 1	6 9 6	2 0 2 2

ELA

Personify the following inanimate objects by re-drawing them below. In the boxes at the bottom, write some verbs to suggest how your object might move, sound, smell etc.

Wednesday, Week 3

MATH

Read the word problems and work out the solutions.

a) Karyn had $5,876,300.56 in her bank account. Lisa had $3,209,998.03 in her bank account. How much did both women have in total?

b) Jack's house sold for $8,452,093.95. Perry's house sold for $4,209,112.78. How much extra money did Jack get from the sale of his house than Perry did for his house?

c) Murray had $3,328,057.56 more money in his bank account than Jessica. If Jessica had $5,609,887.05 in her bank account, how much did Murray have?

ELA

Underline the words that make up the prepositional phrases.

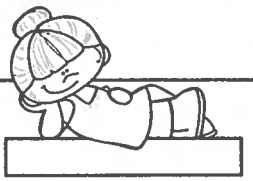
1) Susan and Rita visited the museum after lunch.
2) The big plate of breakfast on the table is Gary's.
3) "Did you see the film about pirates?" asked Lenny's dad.
4) The horse stopped near us and stared with its big brown eyes.
5) Inside the house, there was an eerie whistling sound.
6) I found the ball under the bridge, and it was all slimy!
7) Jessie called her brother after dinner.
8) The plane flew above the clouds.
9) The new school, that my sister is going to, opened up across the road.
10) We watched a show about police officers and fire fighters on television.

Write a sentence of your own. Underline the prepositional phrase(s).

_____

_____

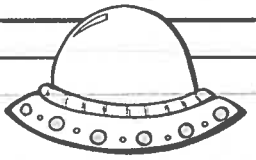
Thursday, Week 3



MATH

Use logical reasoning to work out the answers to the following questions.

1) The sum of the two numbers is 15. The product of the two numbers is 56. What are the two numbers?	*2) The difference between the two numbers is 4. The quotient of the two numbers is 2. What are the two numbers?*
3) The product of the two numbers is 30. The difference between the two numbers is 13. What are the two numbers?	*4) The quotient of the two numbers is 6. The sum of the two numbers is 14. What are the two numbers?*

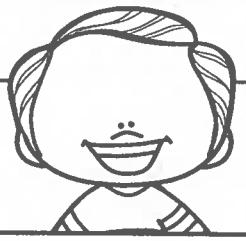


ELA

Look up a thesaurus and find three synonyms for the following words...

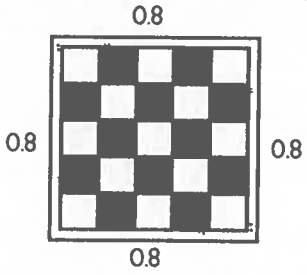
	SYNONYM #1	SYNONYM #2	SYNONYM #3
alert			
chamber			
desire			
analyze			
destructive			
ascend			
eager			
assist			
frantic			
appropriate			
coax			

Friday, Week 3



MATH

Calculate the perimeter of the following shapes.



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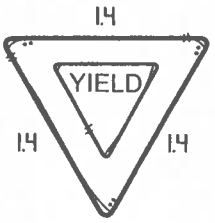

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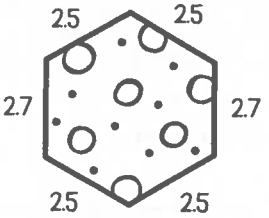
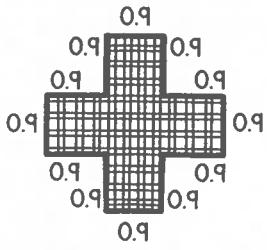


P = _____

P = _____



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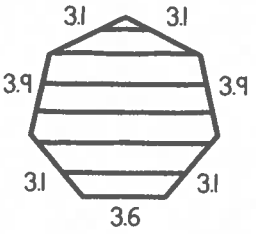

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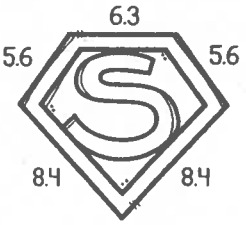

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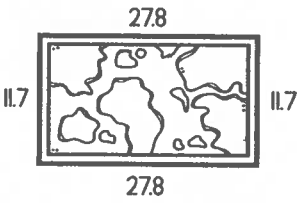
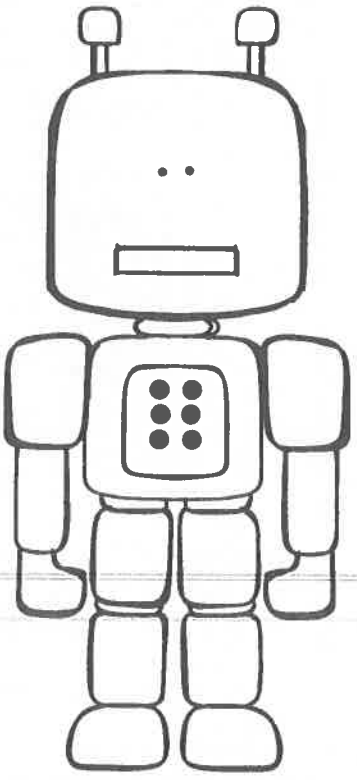


P = _____

ELA

Look at the picture. Write some metaphors to describe the robot.



METAPHOR 1:

I chose this metaphor because _____

_____

METAPHOR 2:

I chose this metaphor because _____

_____

METAPHOR 3:

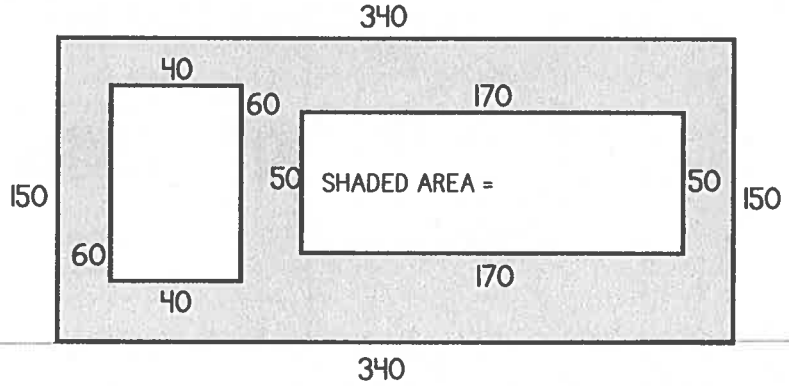
I chose this metaphor because _____

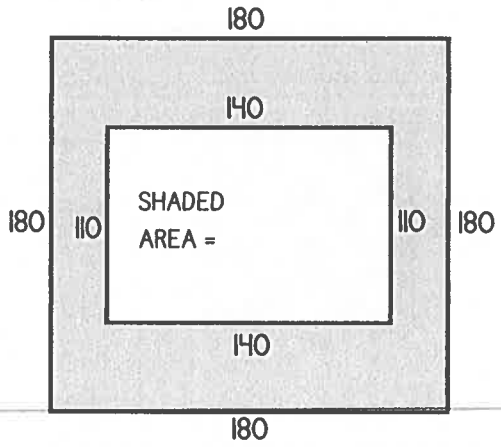
_____

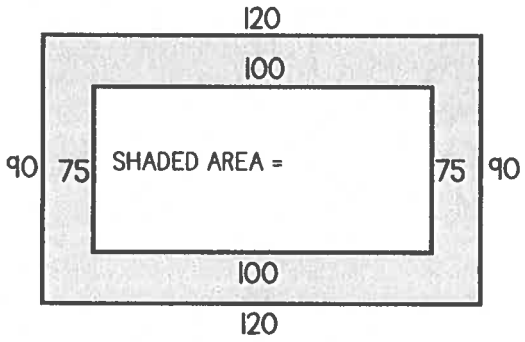
Monday, Week 4

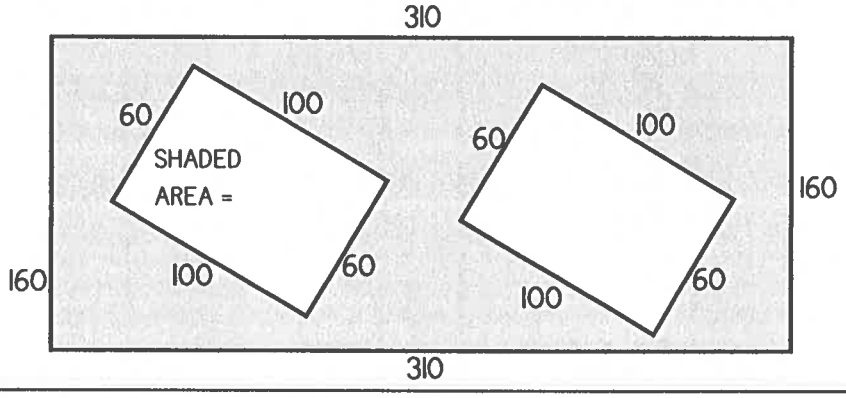
MATH

Calculate the area of each shaded region.



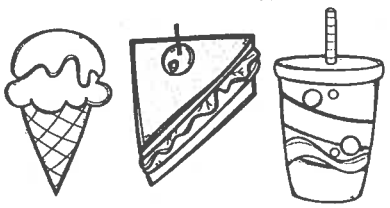
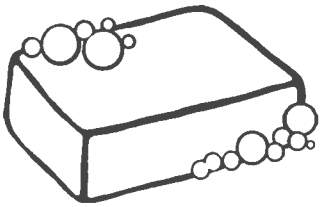






ELA

What is wrong with these signs? Write your answer below.

LEARN ABOUT FIVE DECADE OF JAZZ MUSIC 	COME TO THE OPENING! THEY'RE ARE FREE ICE CREAMS, SANDWICHES AND SODAS! 	THE SOAP SHOP IS A HONEST COMPANY! 

Tuesday, Week 4

MATH

Read the table and answer the questions.

Danielle recorded the number of <u>new</u> puppies in Yardley's Dog Shelter between 2021-2027.

	2021	2022	2023	2024	2025	2026	2027
DALMATIAN	4	3	2	9	4	5	2
POODLE	5	4	0	8	6	1	6
GREAT DANE	2	7	9	7	5	2	7
HUSKY	0	6	5	6	3	3	4

1) How many Dalmatian puppies were born over the 7 years? _____

2) Which year saw the most puppies born at the shelter? _____

3) All the pups were adopted in 2025-2026 for $754 each. How much did all the pups cost?

_____

4) 8 poodles sold in 2024 for $3,648. How much was each sold for? _____

ELA

What do you infer from the picture? Explain why.

_____

_____

_____

_____

_____

_____

_____

_____

Where might a photo like this be found?

_____

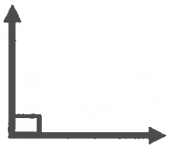
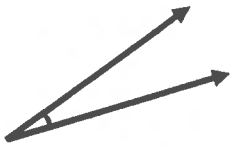
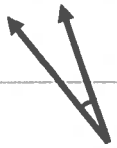
_____

_____

Wednesday, Week 4

MATH

Write if the angles are acute, right or obtuse.

ELA

Change these sentences from third person POV to first person POV.

3RD: Josie and Marina begged their mothers to let them attend the concert.

1ST: _____

_____

3RD: Simon was an accomplished violinist. He performed at the Opera House.

1ST: _____

_____

3RD: Mario's dad always encouraged him to do well at school. Mario looked up to his dad.

1ST: _____

_____

Thursday, Week 4

MATH

Write whether the decimals are greater than (>), less than (<) or equal to (=).

0.1		0.23
0.25		0.5
0.01		0.02
0.3		0.54
0.44		0.12
0.65		0.56
0.19		0.9
0.14		0.04
0.3		0.3
0.21		0.22
0.1		0.19
0.8		0.56

0.45		0.5
0.87		0.456
0.34		0.31
0.5		0.55
0.8		0.67
0.76		0.76
0.09		0.9
0.02		0.04
0.74		0.73
0.7		7.0
0.12		0.21
0.4		0.39

1.34		1.45
7.59		7.5
93.09		93.9
298.09		298.08
34.21		34.31
897.94		897.1
64.33		64.32
187.02		187.2
12.89		12.98
231.08		231.87
387.29		387.19
678.31		678.9

ELA

Sophie looked at a dictionary page with the guide words – MALT and MAT. Write a list of words that might be found on the page.

Write some of your words in sentences.

Friday, Week 4

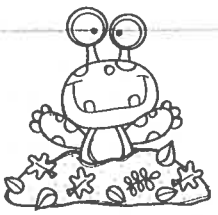
MATH

Write 40 ways to make the number: 5,409. Use different operations.

ELA

Follow the instructions to write and illustrate your own haikus. Use the following topics.

A haiku has three lines.
Line 1 = 5 syllables
Line 2 = 7 syllables
Line 3 = 5 syllables



SUMMER DAYS	ON THE FARM

Multiplying Whole Numbers

1. Write the problem vertically
2. Multiply the ones digit of the bottom number by each of the digits in the top number, right to left
3. Bring down a zero and then multiply the tens digit of the bottom number by each digit in the top number, right to left
4. Bring down two zeros and repeat with the hundreds digit of the bottom number
5. Add up all of the products

ex: 3,481 x 142

$$\begin{array}{r} {\scriptstyle 1}\ {\scriptstyle 3}\ {\scriptstyle 1} \\ 3,481 \\ \times\ \ 142 \\ \hline 6962 \\ +\ 139240 \\ \ 348100 \\ \hline 494,302 \end{array}$$

Dividing Whole Numbers

1. Write out the long division problem with the first number (dividend) underneath the division symbol and the second number (divisor) to the left of the division symbol
2. Divide the divisor into the smallest part of the dividend it can go into and write the number of times it can go in on top of the division symbol
3. Multiply the number on top by the divisor and write the product under the number you divided into in step 2
4. Subtract your product from the number above it
5. Bring down the next digit of the dividend
6. Repeat steps 2-5 until there is nothing left to bring down.
7. If your last subtraction answer is not zero, write the remainder on top

ex: 6,425 ÷ 21

$$\begin{array}{r} 305\ R20 \\ 21\overline{)6425} \\ -63\downarrow\ \ \downarrow \\ \ \ 12\ \ \downarrow \\ -\ \ 0\ \ \downarrow \\ \hline \ \ 125 \\ -\ 105 \\ \hline \ \ \ \ 20 \end{array}$$

Find each product. Show your work.

1. 238 x 5	2. 832 x 156	3. 4,899 x 67	4. 756 x 300
5. 19 x 863	6. 188 x 732	7. 3,249 x 173	8. 609 x 840

Find each quotient. Show your work.

9. 876 ÷ 2	10. 9,473 ÷ 5	11. 396 ÷ 24	12. 8,911 ÷ 45
13. 700 ÷ 12	14. 1,065 ÷ 15	15. 2,737 ÷ 305	16. 4,516 ÷ 22

Solve each problem, showing all work.

17. Mrs. Kleim bought 5 boxes of 15 pencils to give to her students. If she has 26 students in her class, how many pencils can she give each student? How many pencils will she have left over?	18. Sarah and her 3 friends split a bag of candy evenly. They each ate 13 pieces of candy and there were 2 pieces leftover. How many pieces of candy were originally in the bag?

Rounding with Whole Numbers & Decimals

ten-thousands	thousands	hundreds	tens	ones	.	tenths	hundredths	thousandths
	,							

1. Keep all digits to the left of the place you are rounding the same
2. If the digit to the right of the rounding digit is less than 5, keep the rounding digit the same. If it's 5 or greater, increase the rounding digit by 1.
3. Change all places to the right of the digit you are rounding to 0. (Trailing zeros after the decimal are unnecessary)

ex: round 52.943 to the nearest tenth

52.943

less than 5, so the 9 stays the same

52.900

don't need trailing zeros after the decimal

52.9

Word Form & Expanded Form

1. Word Form: write the whole number in word form, translate the decimal to "and", & write the decimal as if it were a whole number, followed by the name of the place of the last digit
2. Expanded Form: write the value of each non-zero digit separately, with addition signs between them

ex: 209.315

two hundred nine and three hundred fifteen thousandths

200 + 9 + 0.3 + 0.01 + 0.005

Comparing & Ordering Decimals

1. Compare the whole number portions of the numbers. If they are different write > for greater than or < for less than.
2. If the whole numbers are the same, compare each digit to the right of the decimal point, one at a time until you find digits that are different. (If necessary, add zeros at the end of a decimal.)

ex: 13.702 ◯ 13.74

13 = 13

13.7 = 13.7

13.70 < 13.74

So, 13.702 < 13.74

Round the number 21,498.2536 to the nearest indicated place.

19. tenth	20. hundred	21. thousandth	22. one
23. thousand	24. hundredth	25. ten	26. ten-thousand

Complete the chart below.

Standard Form	Expanded Form	Word Form
3.962	27.	28.
29.	100 + 2 + 0.09	30.
31.	32.	Five thousand six hundred eighty-five and twelve hundredths
8,770.006	33.	34.
35.	900 + 10 + 4 + 0.3 + 0.02 + 0.008	36.
37.	38.	Two thousand nine and thirty-five thousandths

Compare each pair of numbers by writing <, >, or = in the provided circle.

39. 0.046 ◯ 0.13	40. 9.52 ◯ 90.13	41. 24.13 ◯ 24.130	42. 15.96 ◯ 15.906
43. 0.964 ◯ 1	44. 6.83 ◯ 6.825	45. 7.256 ◯ 7.24	46. 32.9 ◯ 3.290

Order the numbers from least to greatest.

47. 6.86, 6.8, 7, 6.9, 6.827	48. 12.03, 1.2, 12.3, 1.203, 12.301

Adding & Subtracting Decimals

1. Write the problem vertically, lining up the decimal points
2. Add zeros, if necessary
3. Add or subtract the numbers as if they were whole numbers
4. Bring the decimal point straight down

ex: 12.8 - 1.52

$$\begin{array}{r} 12.\overset{7}{8}\overset{1}{\not 0} \\ -\ 1.52 \\ \hline 11.28 \end{array}$$

Multiplying Decimals

1. Write the problem vertically with the numbers lined up to the right (decimals do NOT need to be lined up)
2. Ignore the decimal points and multiply the numbers as if they were whole numbers
3. Count the total number of decimal places in the two factors and put a decimal point in the product so that it has that same number of decimal places

ex: 3.24 x 0.8

$$\begin{array}{r} {}^{1}3.{}^{3}24 \\ \times\ \ 0.8 \\ \hline 2592 \end{array}$$

2 decimal places + 1 decimal place = 3 decimal places

2.592

Dividing Decimals

1. Write the dividend under the division symbol and the divisor in front of the division symbol
2. Move the decimal in the divisor after the number and then move the decimal in the dividend the same number of places and bring it up
3. Ignore the decimal point and divide as if whole numbers
4. If there is a remainder, add a zero to the end of the dividend, bring it down, and then continue dividing until there is no remainder

ex: 32.3 ÷ 0.5

$$\begin{array}{r} 64.6 \\ 0.5\overline{)\,32.3\overset{\uparrow}{0}} \\ -30\downarrow \\ \hline 23 \\ -20 \\ \hline 30 \\ -30 \\ \hline 0 \end{array}$$

Find each sum or difference. Show your work.

49. 8.74 + 10.36	50. 37.4 – 8.55	51. 12.9 + 105.67	52. 450.89 – 213.33
53. 24.1 + 3.74	54. 14.76 – 9.8	55. 622.85 + 53.49	56. 67 – 14.06

Find each product or quotient. Show your work.

57. 4.5 x 6	58. 144.8 ÷ 4	59. 2.7 x 0.8	60. 6.2 ÷ 0.04
61. 8.9 x 2.5	62. 15.8 ÷ 0.5	63. 14.8 x 0.12	64. 16.2 ÷ 1.2

Solve each problem, showing all work.

65. Ryan spent $3.25 on lunch every day, Monday through Friday. If he had $20 at the start of the week, how much money did he have left after Friday?	66. Three friends went out to lunch. The bill came to $47.31. If they split the bill evenly, how much money does each friend owe?

Adding & Subtracting Fractions

1. Rename the fractions to equivalent fractions with common denominators
2. Add or subtract the numerators and keep the denominator the same
3. If mixed numbers, add or subtract the whole numbers
4. If possible, simplify the answer & change improper fractions to mixed numbers

ex: $4\frac{4}{9} + \frac{2}{3}$

$4\frac{4}{9} \overset{\times 1}{\underset{\times 1}{=}} \frac{4}{9}$

$+ \quad \frac{2}{3} \overset{\times 3}{\underset{\times 3}{=}} \frac{6}{9}$

$4 \quad \frac{10}{9} = \boxed{5\frac{1}{9}}$

Multiplying Fractions

1. Turn a whole number into a fraction by giving it a denominator of 1
2. Cross-simplify the fractions if possible
3. Multiply the 2 numerators and the 2 denominators
4. If possible, simplify the answer & change improper fractions to mixed numbers

ex: $6 \times \frac{2}{3}$

$\frac{\overset{2}{\cancel{6}}}{1} \times \frac{2}{\cancel{3}_{1}} = \frac{4}{1}$

$= \boxed{4}$

Dividing Fractions

1. Turn a whole number into a fraction by giving it a denominator of 1
2. Keep the 1st fraction the same, change the division symbol to multiplication, and flip the 2nd fraction to its reciprocal
3. Multiply the 2 fractions
4. If possible, simplify the answer & change improper fractions to mixed numbers

ex: $12 \div \frac{1}{2}$

$\frac{12}{1} \div \frac{1}{2}$

$\frac{12}{1} \times \frac{2}{1} = \frac{24}{1} = \boxed{24}$

Find each sum or difference. Show your work.

67. $\frac{7}{8} + \frac{5}{6}$	68. $\frac{9}{10} - \frac{1}{2}$	69. $\frac{3}{11} + \frac{2}{3}$	70. $\frac{11}{12} - \frac{13}{18}$
71. $4\frac{5}{9} + 7\frac{1}{3}$	72. $12\frac{9}{14} - 9\frac{3}{7}$	73. $3\frac{3}{5} + 2\frac{3}{4}$	74. $2\frac{2}{15} - 1\frac{2}{3}$

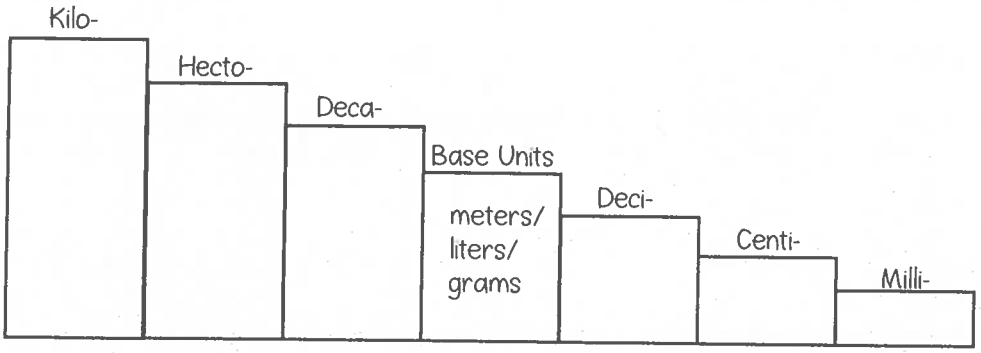
Find each product or quotient. Show your work.

75. $\frac{1}{6} \times \frac{3}{4}$	76. $6 \div \frac{1}{3}$	77. $15 \times \frac{2}{3}$	78. $\frac{1}{2} \div 3$
79. $\frac{1}{6} \times 10$	80. $\frac{1}{4} \div 2$	81. $\frac{5}{9} \times \frac{3}{20}$	82. $4 \div \frac{1}{5}$

Solve each problem, showing all work.

83. Jacqui ran $1\ 1/2$ miles on Monday, Wednesday, and Friday and $3/4$ mile on Tuesday and Thursday. How far did she run in all?	84. Tyrell gave 3 packs of baseball cards to his friends. He gave each friend $1/3$ of a pack. How many friends got baseball cards?

The Metric System



Determine the direction and count the number of steps it takes to get from the starting unit to the unit you are converting to and move the decimal point the same number of places in that direction.

ex: 23 m = ____ cm

going from base unit step to centi- step, so need to move the decimal 2 places right

23.00

= 2,300 cm

The Customary System

Length	Weight	Capacity
1 ft = 12 in	1 lb = 16 oz	1 c = 8 fl oz
1 yd = 3 ft	1 T = 2,000 lb	1 pt = 2 c
1 mi = 5,280 ft		1 qt = 2 pt
		1 gal = 4 qt

To convert from a larger unit to a smaller unit, multiply. To convert from a smaller unit to a larger unit, divide.

ex: 18 c = ____ pt

cups are smaller units of measure than pints, so need to divide

18 ÷ 2 = 9 pints

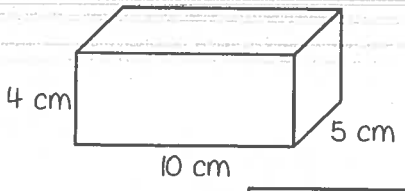
Volume

Volume is the number of cubic units inside a figure.

Volume of Rectangular Prism = length x width x height

Volume of Irregular Figure: count cubic units

ex: find the volume



V = 4 x 10 x 5 = 200 cm^3

Convert each Metric measurement. Show your work.

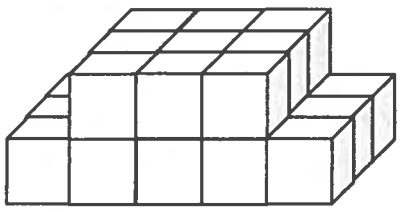
85. 1.9 km = _____ m	86. 23 g = _____ mg	87. 350 mℓ = _____ kℓ
88. 0.07 kg = _____ cg	89. 6 cm = _____ m	90. 35 mℓ = _____ ℓ

Convert each Customary measurement. Show your work.

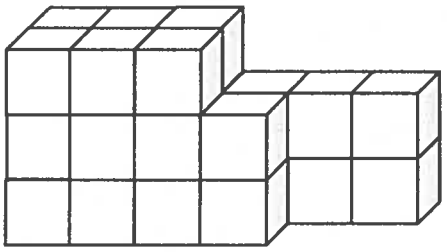
91. 48 in = _____ ft	92. 6 pt = _____ c	93. 3 T = _____ lb
94. 1.5 mi = _____ ft	95. 32 pt = _____ gal	96. 32 oz = _____ lb

Find the volume of each figure. Show your work.

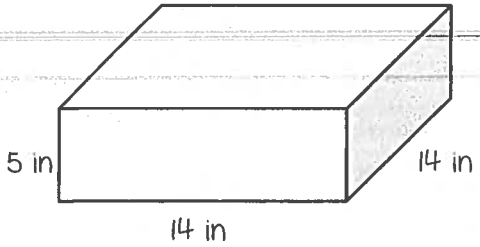
97.



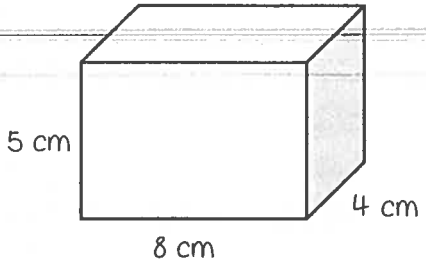
98.



99.



100.



Find each product. Show your work.

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5. 19 x 863 16,397	6. 188 x 732 137,616	7. 3,249 x 173 562,077	8. 609 x 840 511,560

Find each quotient. Show your work.

9. 876 ÷ 2 438	10. 9,473 ÷ 5 1,894 R3	11. 396 ÷ 24 16 R12	12. 8,911 ÷ 45 198 R1
13. 700 ÷ 12 58 R4	14. 1,065 ÷ 15 71	15. 2,737 ÷ 305 8 R297	16. 4,516 ÷ 22 205 R6

Solve each problem, showing all work.

17. Mrs. Kleim bought 5 boxes of 15 pencils to give to her students. If she has 26 students in her class, how many pencils can she give each student? How many pencils will she have left over? 2 pencils/student 23 pencils leftover	18. Sarah and her 3 friends split a bag of candy evenly. They each ate 13 pieces of candy and the were 2 pieces leftover. How many pieces of cand were originally in the bag? 54 pieces of candy