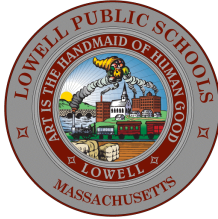

*Lowell Public Schools
Curriculum, Instruction, and Assessment
Henry J. Mroz Administration Office
155 Merrimack Street
Lowell, Massachusetts 01852*




Get Ready for School! Summer Mathematics Activities 2020 Entering Grade 5

Dear Guardian and Student,

Just like reading, regular practice over the summer with math will help your child prepare for entering the next grade. Please use the math activity list to have fun talking and doing mathematics together! Remember to always ask your child, “How did you figure it out?”

To use the math activity list:

- This summer try to complete the number of activities recommended for your grade level.
- When you do one, cross it off. Write down on the log on the back of this sheet which activity you did.
- Bring the log back to your new teacher in September for a school reward and a chance to be selected to attend a fall televised school committee meeting for a “Spotlight on Excellence!”

- When you see this symbol,  choose 1 or more activities from page 2.
- Some helpful materials to have around:
 - A folder for these papers
 - Blank paper
 - A pencil
 - A deck of playing cards with the kings, queens, and jacks taken out
 - A pair of dice
 - Crayons
 - Coins

Have a great summer vacation!

Sincerely,

**Chief Academic Officer
Lowell Public Schools**

Summer Math Activity Log

Activity log for student entering grade _____. Record the dates and descriptions of the math activities you complete. Bring this log back to your new teacher in August.


















Activity #	Date Completed	Description of Activity
Example	7/2/20	Used shapes to make a 4 th of July picture... <i>or</i> prodigy game... <i>or</i> Close to 100
#1		
#2		
#3		
#4		
#5		
#6		
#7		
#8		
#9		
#10		
#11		
#12		
#13		
#14		
#15		
#16		
#17		
#18		
#19		
#20		

Student's Name: _____

Parent Signature: _____

Get Ready for Grade 5: Math Activities

Complete at least 20 math activities this summer. Each time, choose an activity from the boxes below - or from the back. Cross off a box when you do it and record the activity on your math log.

Count by 7s to 84. Count backwards by 7s to zero.	Choose from the back! 	Use the shapes you know to make a Fourth of July picture.	Count by 3 tenths to 30 tenths starting at 0 tenths.	Choose from the back! 
Do counting squats while you count from 289 to 321. Can you do it backwards?	Choose from the back! 	Choose from the back! 	Solve $236 + 450$. Draw a picture to show your thinking.	Choose from the back! 
Count by 10s from 70 to 300. Now count by 5s.	Choose from the back! 	Choose from the back! 	Choose from the back! 	Use real coins or draw coins to show as many ways to make \$1 as you can.
Choose from the back! 	Find some rectangles. Measure to figure out the perimeter. Can you figure out the area?	Choose from the back! 	Make a story to go with $\frac{1}{4} + \frac{3}{4}$.	Choose from the back! 
Write the numbers from 675 to 730.	Choose from the back! 	Choose from the back! 	Solve $674 - 392$. Draw a picture to show your thinking.	Choose from the back! 
Choose from the back! 	Choose from the back! 	Measure 10 objects in your house using centimeters. What is the difference between the longest and shortest?	Choose from the back! 	Make a story problem that goes with 8×7 .

Get Ready for Grade 5



Choice Activities



1. Read a Cool Mathematics Book:

A Chair for My Mother by Vera B. Williams
Benny's Pennies by Pat Brisson
Emeka's Gift by Ifeoma Onyefulu
Math Appeal by Greg Tang
My Painted House, My Friendly Chicken, and Me
by Maya Angelou

Out for the Count by Kathryn Cox
Pattern Fish by Trudy Harris
Rooster's Off to See the World by Eric Carle
The Greedy Triangle by Marilyn Burns
The Math Curse by Jon Scieszka and Lane Smith
How much is a Million by David Schwartz

Find Mathematics Books to Read Online at Epic!: <https://www.getepic.com/>
Parents can sign up for free!

2. Use a cool mathematics website!

<http://www.gregtangmath.com/games>
www.aaamath.com
www.coolmath4kids.com
<http://pbskids.org/games/measurement/>
<https://www.prodigygame.com/>

www.mathplayground.com
www.primarygames.com/curriculum/math.htm
www.funbrain.com
www.zearn.org/
<https://www.ixl.com/math/>

Play ST Math Games Online: <https://www.stmath.com/>
If your school already uses ST Math, you can login through your Clever account. If not, parents can sign their children up for free using the link above.

3. Do a counting activity or game:

Double Compare – Deal all the cards out. Put the set of cards facedown. Both players turn over the top two cards and add them to find the sum. The player with the larger number gets all four cards. If they are the same number both players turn over another set of cards and the larger sum takes all. The game is over when there are no more cards to turn over. Whoever has the most cards, wins. (Like “War” but with adding two cards.) **Extension:** Instead of adding the two numbers together, subtract the smaller from the larger to get the difference. The person with the smallest difference gets all four cards.

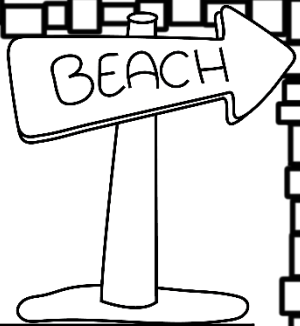
Close to 20 – Deal 5 cards to each player. Place them face up in front of you. Which three cards add up to be closest to 20? Ex. You turn over the following cards 5, 4, 10, ACE, and 3, and your opponent turns over an ACE, 8, 7, 2, and 3. You can make 19 with the 5, 4, and 10 and your opponent can make 18 with the 8, 7, and 3. You win because 19 is closer to 20.

Make Ten – Like “Go Fish” but players ask for cards that add up to 10 instead of the same number. For example, someone with a 3 would ask if the other player has a 7.

Play a board game such as: Checkers, Memory, Chutes and Ladders, jigsaw puzzles, Parcheesi, Fish, Crazy Eights, Candy Land, Connect Four, Legos, K’Nex.

4. Complete one of the activity sheets provided at the end of this packet.

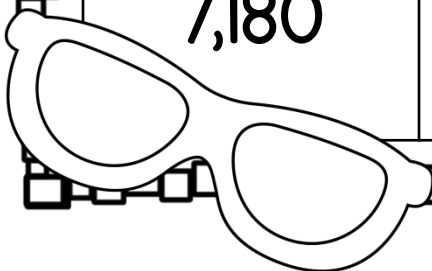
Name: _____



Expanded Form

Directions: Write each number in expanded form.

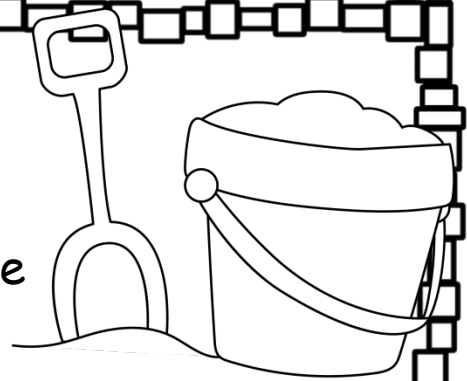
58	
264	
794	
803	
2,573	
7,180	



Name: _____

Comparing Numbers

Directions: Write $>$, $<$ or $=$ to compare each pair of numbers.



52,000 _____ 52,000

2,641 _____ 1,641

16,083 _____ 15,846

85,276 _____ 83,194

14,410 _____ 14,041

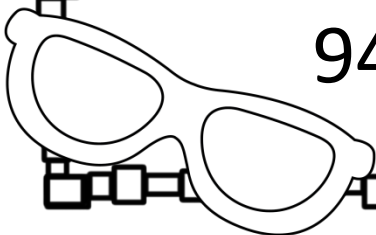
72,053 _____ 72,530

11,104 _____ 11,104

285,582 _____ 285,528

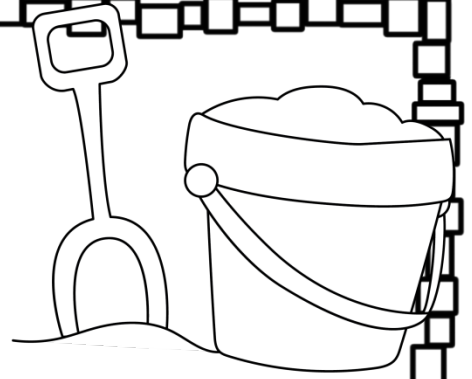
163,091 _____ 160,910

942,850 _____ 952,001



Name: _____

Addition & Subtraction



$$\begin{array}{r} 359 \\ +326 \\ \hline \end{array}$$

$$\begin{array}{r} 783 \\ -495 \\ \hline \end{array}$$

$$\begin{array}{r} 524 \\ +509 \\ \hline \end{array}$$

$$\begin{array}{r} 900 \\ -182 \\ \hline \end{array}$$

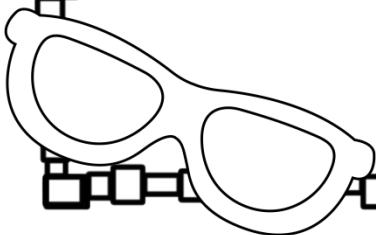
$$\begin{array}{r} 704 \\ +756 \\ \hline \end{array}$$

$$\begin{array}{r} 930 \\ -672 \\ \hline \end{array}$$

$$\begin{array}{r} 65 \\ 42 \\ +75 \\ \hline \end{array}$$

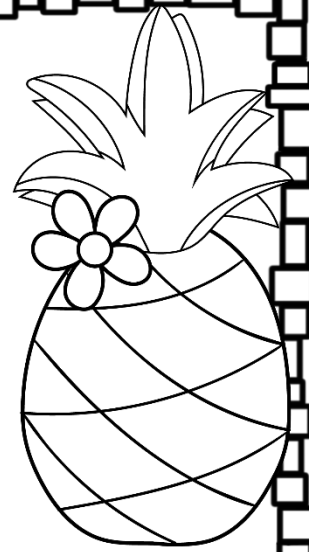
$$\begin{array}{r} 263 \\ 748 \\ +164 \\ \hline \end{array}$$

$$\begin{array}{r} 683 \\ 842 \\ +275 \\ \hline \end{array}$$



Name: _____

Missing Factors



$3 \times \underline{\quad} = 18$

$9 \times \underline{\quad} = 63$

$\underline{\quad} \times 10 = 20$

$5 \times \underline{\quad} = 50$

$\underline{\quad} \times 2 = 18$

$9 \times \underline{\quad} = 90$

$7 \times \underline{\quad} = 49$

$\underline{\quad} \times 8 = 72$

$\underline{\quad} \times 4 = 44$

$4 \times \underline{\quad} = 32$

$6 \times \underline{\quad} = 42$

$\underline{\quad} \times 1 = 9$

$\underline{\quad} \times 8 = 64$

$\underline{\quad} \times 3 = 27$

Name: _____

Multiplication Practice

Directions: Write the answer to each fact.
You might need to rewrite the problem first.



$15 \times 26 =$

$24 \times 13 =$

$62 \times 72 =$

$28 \times 67 =$

$92 \times 17 =$

$73 \times 84 =$

$94 \times 35 =$

$28 \times 83 =$

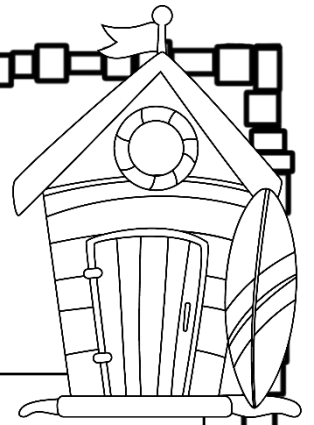
$72 \times 24 =$

$83 \times 18 =$

Name: _____

Division Practice

Directions: Write the answer to each fact.
You might need to rewrite the problem first.



$91 \div 3 =$

$50 \div 3 =$

$43 \div 9 =$

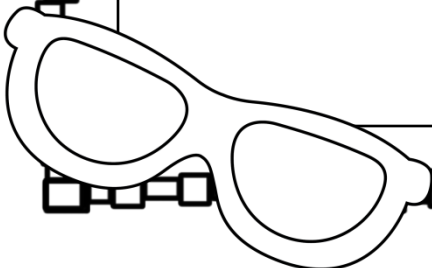
$85 \div 7 =$

$34 \div 7 =$

$79 \div 6 =$

$325 \div 3 =$

$235 \div 5 =$

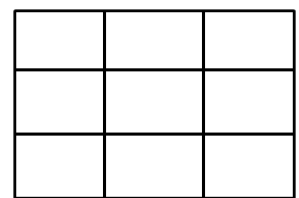
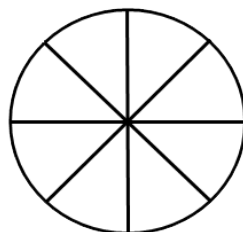
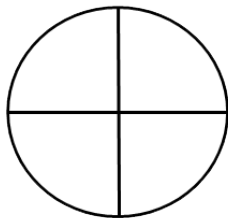
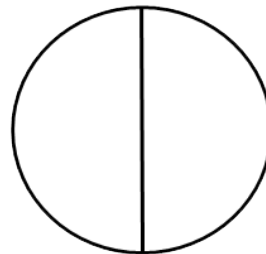
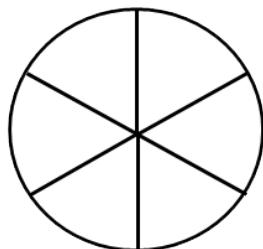
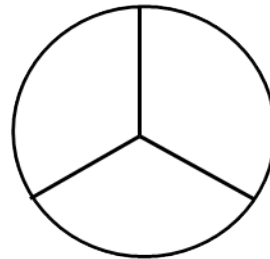


Name: _____

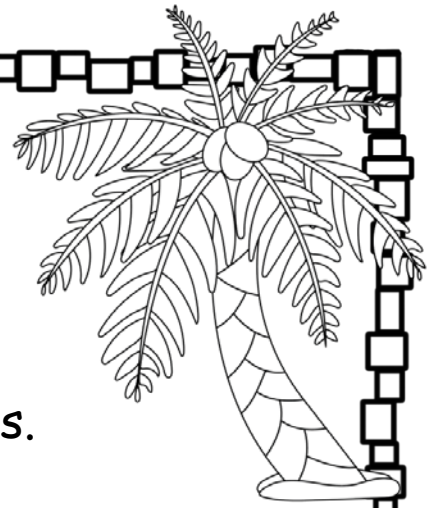


Dividing Shapes into Equal Parts

Directions: Name how the equal parts are divided. (halves, thirds, fourths, fifths, sixths, eighths, ninths)

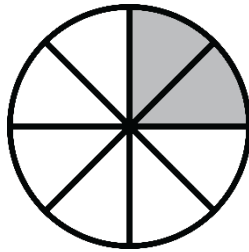
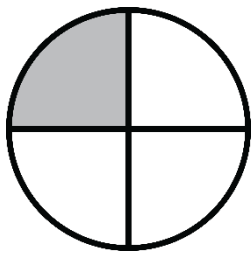


Name: _____

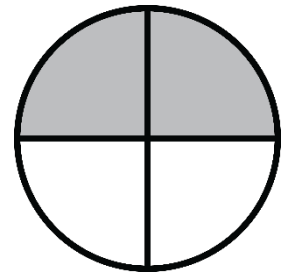
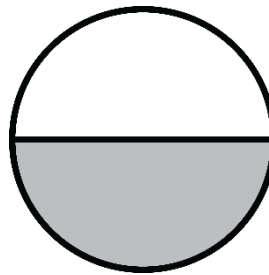


Equivalent Fractions

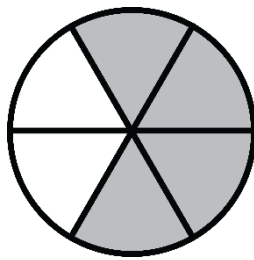
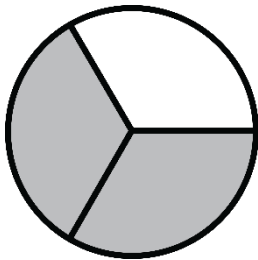
Directions: Write the equivalent fractions.



_____ = _____



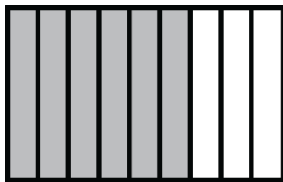
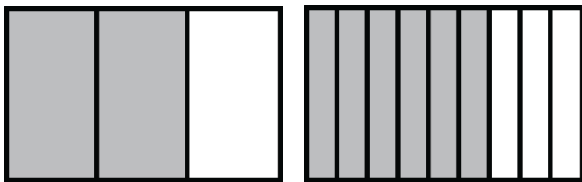
_____ = _____



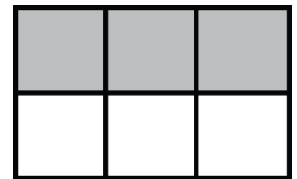
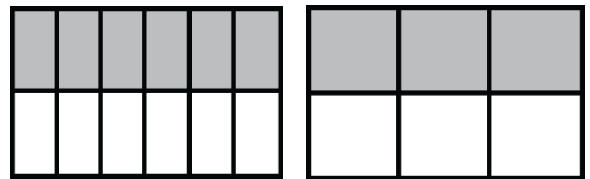
_____ = _____



_____ = _____



_____ = _____

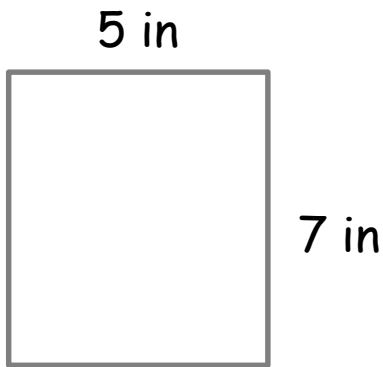
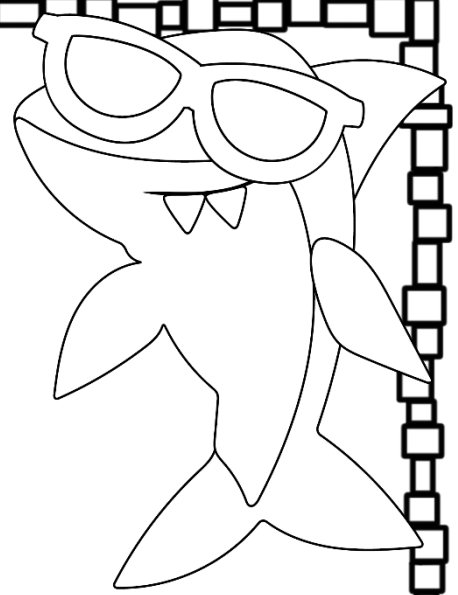


_____ = _____

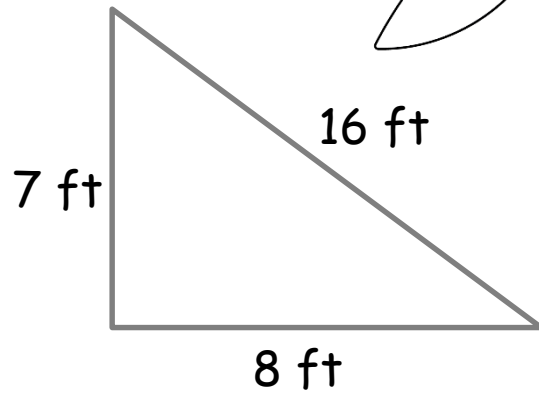
Name: _____

Finding the perimeter.

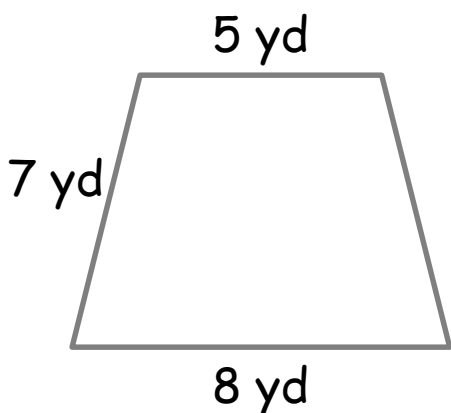
Directions: Add the length of the sides to find the perimeter of each shape.



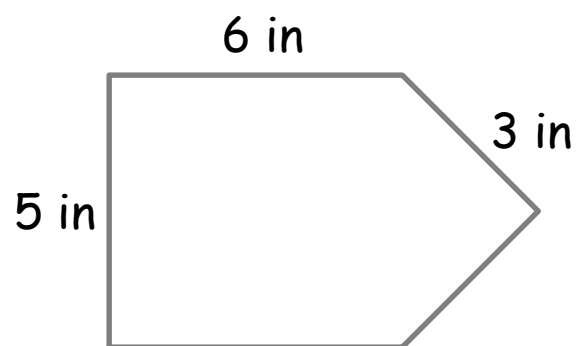
The perimeter is:



The perimeter is:

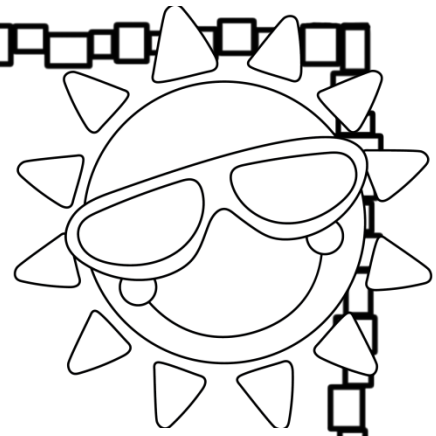


The perimeter is:



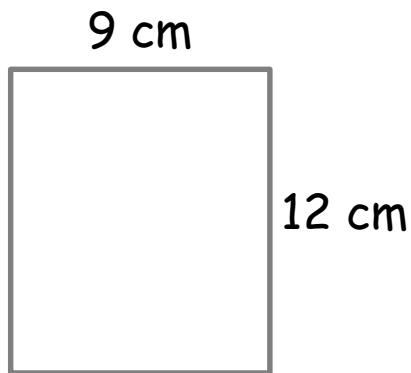
The perimeter is:

Name: _____

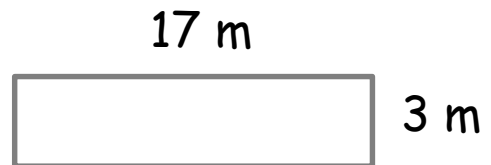


Finding the Area

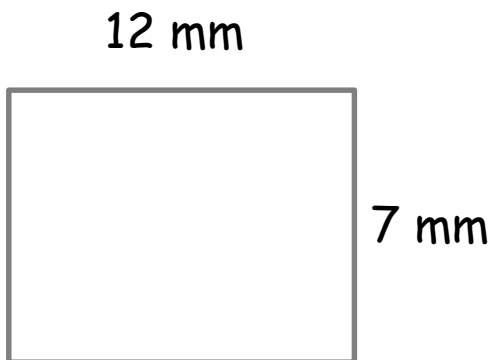
Directions: Multiply the length by width to find the area.



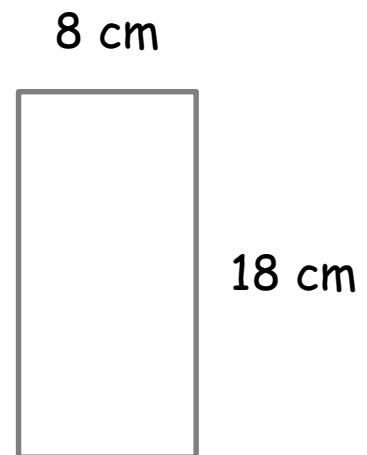
The area is:



The area is:



The area is:



The area is:
