July 2016 Entering 5th Grade Mathematics Calendar

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Dear Families, **On this calendar are activities to extend math learning all summer. You can choose which activities you'd like to complete on which day. We encourage your child to complete 20 math boxes each month. After completing a box, color it in. When school starts again in August, return your calendar to your child's new teacher.** **Enjoy a summer full of math.**					**Try these Websites:** www.mathcafe.com www.multiplication.com www.aplusmath.com www.multiplication.com www.funbrain.com www.aaamath.com **Melrose Public Schools** **www.melroseschools.com**	
26 Estimate how much a bag of M&M's and a bottle of juice would cost. Then go to the store and check your guess.	**27** 857 - 429 = Check with addition	**28** Estimate how many jumping jacks you could do in a minute. Then, actually try it!	**29** Hamburgers cost $2.95 and french fries are $1.50.What do 3 hamburgers and 4 fries cost?	**30** If it costs $26.95 for rides at Six Flags, how much will it cost for 7 people?	**1** You want to buy a soda for $.79 and a bag of chips for $0.50. You only have $2.00. Will it be enough?	**2** 20 ÷ 4 24 ÷ 4 28 ÷ 4 32 ÷ 4 What's your strategy? Skip count by 4's forward & backward.
3 Flip a coin 25 times. Make a tally chart for how many times it lands on heads or tails. Write a fraction for your head and tail data. Try it again. Were the results the same?	**4** Johnny can kick a soccer ball 50 yards. How many feet would that be?	**5** Make up a story problem involving division. Have a member of your family solve it.	**6** Find out how much you weigh. Weigh another member of your family. What is the difference?	**7** Somebody married on this date in 1973 will be celebrating which anniversary today?	**8** Would you rather have your height be made of a stack of nickels or quarters, lined up end to end? How much would you be worth**?**	9 If you played outside for 3 and a half hours, how many minutes would that be?
10 Survey 10 friends or relatives to find out their favorite outdoor activity. Graph the results.	**11** Mia drank 3 quarts of water at the playground. How many more cups does she need to drink to make a gallon? How many ounces is that?	**12** Begin with 35 and count by 7s to 77.Begin with 36 and count by 6s to 66.	**13** Make a set of flash cards of multiplication facts. Practice your facts with a friend.	**14** Estimate the following in inches: your height; length of your foot; distance from your elbow to the tip of your little finger. Measure to see how close you are.	**15** Sophia runs twice as fast as her friend Mia. If Mia runs 3mph, how long will it take Sophia to run 6 miles? 9 miles?	**16** Vowels are worth $50 each, consonants are worth $40. Can you make a word worth exactly $200? $600?
17 Show 4 different ways to make $1.56 using coins and/or bills.	18 Round 476 to the nearest hundreds place.	**19** Draw a design using symmetry.	**20** Visit www.visualfractions.com	21 Visit the website www.mathplayground.com and play the logic games. How did you do?	22 Watch a digital clock. Add up the digits. At what time is the sum the greatest?	**23** Place a plastic bowl on the floor and stand 20 steps away. Toss a coin in the bowl and record how many times it lands inside it. Express this as a fraction. Repeat.
24 Use 10 straight lines. How many traingles and squares can you make?	25 Have a scavenger hunt for real-world examples of parallel lines (ex. railroad tracks).	26 Make the largest and smallest numbers you can find using the digits 9, 6, 1, 8 and 2. Find their difference and sum.	**27** Try a new activity at www.coolmath4kids.com Challenge yourself. What did you choose to do?	**28** Mary spent $4.95 for lunch. Her brother spent $8.50. How much did they spend all together?	**29** How many months are there in 4 years?	

Student's Name_____**Parent's Signature**_____

August 2016 Entering 5th Grade Mathematics Calendar

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Head on over to the Melrose Public Library and ask for a book about mathematics. **Cool Mathematics Books to Read this Summer:** The Grapes of Math & Math Appeal by Greg Tang Counting on Frank by Rod Clement A Grain of Rice by Helena Clare Pittman Sideways Arithmetic from Wayside School by Louis Sachar Divide and Ride by Stuart Murphy Lemonade for Sale by Stuart Murphy			**Try these Games this Summer:** Monopoly, Stratego, Othello, Connect Four, Chess, War, Battleship, Risk, Mancala, Pente, Simon Yahtzee and Mastermind			**30** How many different ways can you show the number 125?
31 Find the area of your bedroom floor. What room in your house could have twice the area of your bedroom? Half the area of your room? Check.	**1** Write down the numbers you see on 2 license plates. Create 4 math problems with these numbers.	**2** Identify and classify angles: acute (less than 90°) obtuse (greater than 90°), right (90°) in everyday things (buildings,bridges furniture…)	**3** Use 8 straight lines. How can you make 4 triangles and 2 squares?	**4** Flip a coin 30 times. Record heads and tails. Which came up the most?	**5** Candy is 4 bags for $2.00 at the store. Is this a better price than $.60 each?	**6** In the number 6,734, what number is in the tens place, hundreds place, and thousands place?
7 What number am I? I am > 3,449 and I am < 3,502. I have a 1 in my ones place and a zero in my tens place. Create your own number riddle.	**8** At the grocery store, estimate how many bananas will weigh one pound. Check your estimate. What's the cost to buy 2 lbs of bananas?	**9** Write a word problem whose answer is 154. Have someone solve the problem.	**10** Survey 10 friends or relatives to find out their favorite outdoor activity. Graph the results.	**11** Look at weather in the paper across the nation. Look at the highest temperature and the lowest temperature, What is the difference between them?	**12** Mary spent $4.95 for lunch. Her brother spent $8.50. How much did they spend all together?	**13** If you watched TV today for 6 hours. How many minutes would that be?
14 If you read this summer for 15 hours. How many minutes would that be?	**15** Go on a 3-D scavenger hunt. How many cylinders, pyramids, cubes, rectangular prisms and cones can you find today? Organize your data.	**16** Look through a catalog. Pick out what you need for school. Estimate how much you'll spend on the supplies.	**17** As of today, record the Wins and Losses of the Red Sox this season. Estimate the Wins and Losses at the end of the season. Explain your thinking to an adult.	**18** List some capital letters (E, F…) that have one pair of parallel lines. Are there any that have two pair of parallel lines?	**19** Write down the names and prices of 5 cars you find in the newspaper. Order the prices from least to greatest. Round the prices to the nearest thousand.	**20** Make the largest and smallest numbers you can find using the digits 4, 1, 7, 8, and 2. Find their difference and sum.
21 Figure out how many hours are in a week and then a year. How many hours have you been alive?	22 Measure the perimeter of two different windows in your home. Find the difference of the perimeters.	23 Make the largest and smallest numbers you can find using the digits 4, 1, 7, 8 and 2. Find their difference and sum.	**24** In the number 85,632, what number is in the tens place, hundreds place, and thousands place?	25 Play the Product Game at www.illuminations.nctm.org. Record the strategy that you used.	26 Make a set of flash cards of division n facts. Practice your math facts with a friend.	27 Congratulations! Place your summer math calendar in your backpack to bring to school to share with your new teacher.