

2018-2019 Middle School Supply List

Personal Items to be kept in pencil case or locker

- (2) 12 pack of #2 pencils
- (1) Ruler
- (1) Pack of blue / black pens
- (1) Pack of colorful pens for editing (red, orange, green, etc)
- (3) Glue sticks
- (1) 10 pack of markers
- (1) 12 pack of colored pencils
- (1) Pair of student scissors
- (3) Highlighters (different colors)
- **Zippered** pencil case (no hard plastic, please!)
- (3) 500 pack index cards
- (1) Calculator that can add, subtract, multiply and divide (no need for a scientific calculator!)

To be given to your homeroom teacher

- (1) Ream of copy paper
- (2) Boxes of tissues
- (2) Rolls of paper towels
- (1) Container of Clorox wipes
- (1) Bottle of hand sanitizer
- (1) 8 pack of dry erase chisel markers

Social Studies <ul style="list-style-type: none"> ➤ (1) 1.5 inch 3 ring binder + folder for handouts ➤ Package of wide-ruled loose leaf paper 	English Language Arts <ul style="list-style-type: none"> ➤ (1) 1.5 inch 3 ring binder ➤ (1) Package of wide-ruled loose leaf paper
Science <ul style="list-style-type: none"> ➤ (1) 1.5 inch 3 ring binder ➤ (1) Package of wide-ruled loose leaf paper 	Math <ul style="list-style-type: none"> ➤ (1) 1.5 inch 3 ring binder ➤ (1) Package of wide-ruled loose leaf paper ➤ (1) 4 pack of thin dry erase markers
Religion <ul style="list-style-type: none"> ➤ (1) 1 subject spiral bound notebook ➤ (1) Folder 	Latin <ul style="list-style-type: none"> ➤ (1) 1.5 inch 3 ring binder

SAINT JOHN PAUL II CATHOLIC ACADEMY

Entering Grade 8 Summer Math

In Grade 7 You Learned To:

Ratios and Proportional Relationships

- Analyze proportional relationships and use them to solve real-world and mathematical problems.

The Number System

- Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers.

Expressions and Equations

- Use properties of operations to generate equivalent expressions.
- Solve real-life and mathematical problems using numerical and algebraic expressions and equations.

Geometry

- Draw, construct and describe geometrical figures and describe the relationships between them.
- Solve real-life and mathematical problems involving angle measure, area, surface area, and volume.

Statistics and Probability

- Use random sampling to draw inferences about a population.
 - Draw informal comparative inferences about two populations.
 - Investigate chance processes and develop, use, and evaluate probability models.
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Evaluate each expression for $n=2$, $m=3$, and $t=5$	Simplify each expression	Read and complete...	Use the Distributive Property to find each total cost.	Write and solve an equation for each situation.
$3t - 4n =$	$-6 + 4 =$	A teacher asks 15 students to estimate an answer to a question. The answers are 1, 5, 5, 6, 7, 8, 10, 12. The correct estimate is 7.	3 loaves of bread at \$1.99 each	Nina buys lunch for herself and her sister. She pays \$7.50. Nina has \$5.25 left over. How much money did she begin with?
$13 - (m+n) =$	$15 - (-8) =$	The teacher wants to calculate how far off the estimates were by finding the absolute value of the difference between each estimate and the answer. Which estimate was off by the most?	4 bags of berries at \$1.98 each	A group of twelve volunteers raises \$144 for three charities. Each charity gets the same amount. How much does each charity get?
$4.7 + mt =$	$-4 + (-5) =$	Drew sold lemonade and apples at the school fair. He sold a total of \$64. If he sold \$21 in lemonade, how many dollars worth of apples did he sell?	6 cans of tuna at \$.97 each	
Compare. Write $<$, $=$, or $>$ $-7 \underline{\quad} 7$	Solve each equation $X - 6 = -15$		5 boxes of rice at \$2.95	
$32 \underline{\quad} (-32)$	$1.5 = m - 3.2$			
$(-9) \underline{\quad} -3$	$-12 = m + 8$			
$(-8) \underline{\quad} (-6)$				

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Find the GCF of each pair of numbers using prime factorization. 9, 33 22, 121 7, 15 17, 51 6, 24	Write each fraction in simplest form. $20/25$ $-9/42$ $7/77$ $36/63$ $40/48$	Write each decimal as a mixed number or fraction in simplest form. 0.45 12.2 8.6	Convert each improper fraction into a mixed number $\frac{18}{7}$ $\frac{27}{8}$ $\frac{100}{7}$	Word Problems Two frogs hop around a circular track that is 60 inches around. First the larger frog jumps 13 in. and then the smaller frog jumps 11 in. If they take turns jumping, how many inches from the start will they be when they once again are at the same point?

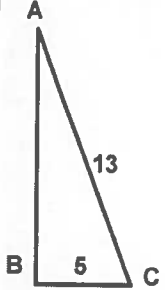
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<p>Word problems Each week, Joey gets paid \$10 plus \$2 for each chore that he does. His sister Julie gets paid \$5 plus \$3 per chore</p> <p>Write an expression for how much their parents pay Joey and Julie each week if they do the same amount of chores</p> <p>If Joey and Julie do 5 chores, how much do they get paid individually? How much do their Parents pay all together?</p>	<p>Complete</p> $7(6 + y) = (_ \times 6) + (7 \times _)$ $(3 \times z) + (_ \times 4) = 3(_ + _)$ <p>Multiply each expression</p> $12(2 + 3x)$ $5(x - 5)$ $2(6x + 5)$ $10(x - 6)$	<p>Solve</p> $3a < 15$ $b + 12 \leq 19$ $15 > 3y$ $x + 6 < 9$	<p>Suppose you toss a coin twice. Find each probability.</p> <p>P (no heads)</p> <p>P (exactly one head)</p> <p>P (at least one head)</p>	<p>Write the decimal as a percent</p> <p>0.46</p> <p>0.37</p> <p>0.17</p> <p>8.10</p> <p>0.3</p>

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<p>Solve each equation</p> <p>$6n + 3 = 21$</p> <p>$-10 = 2 + 6w$</p> <p>$5d + 10 = 25$</p> <p>$7g + 3 = 10$</p>	<p>Define the following terms;</p> <p>Exponent:</p> <p>Equivalent Fractions:</p> <p>Parallelogram:</p> <p>Common factor:</p>	<p>Define the following terms;</p> <p>Congruent:</p> <p>Area:</p> <p>Bar graph:</p> <p>Average:</p>	<p>Define the following terms;</p> <p>Radius:</p> <p>Expression:</p> <p>Factor:</p> <p>Formula:</p>	<p>Define the following terms;</p> <p>Divisor:</p> <p>Degree:</p> <p>Median:</p> <p>Mass:</p>

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<p>What is the value of $(5 + 3)^2 + (5 - 3)^2$?</p> <p><input type="radio"/> 68</p> <p><input type="radio"/> 70</p> <p><input type="radio"/> 72</p> <p><input type="radio"/> 77</p> <p>What is the value of the expression: $2^2 - 3^2 + 4^2$</p> <p><input type="radio"/> 6</p> <p><input type="radio"/> 8</p> <p><input type="radio"/> 11</p> <p><input type="radio"/> 14</p> <p>Which group does not contain equivalent fractions, decimals and percents?</p> <p><input type="radio"/> 10%, 1/10, 0.1</p> <p><input type="radio"/> 40%, 2/5, 0.4</p> <p><input type="radio"/> 50%, 1/2, 0.5</p> <p><input type="radio"/> 25%, 1/4, 0.2</p> <p><input type="radio"/></p>	<p>Question 4: If it takes a company 4 hours to build 1,300 cell phones, at the same rate it will take the company _____ Hours to build 39,000 cell phones.</p> <p>The right triangle in the figure below has AC = 13 and BC = 5. What is the length of side AB?</p>  <p><input type="radio"/> 17</p> <p><input type="radio"/> 9</p> <p><input type="radio"/> 12</p> <p><input type="radio"/> 10</p>	<p>Find each sum or difference.</p> <p>$-8 + 13 =$</p> <p>$-77 + (-46) =$</p> <p>$50 - 82 =$</p> <p>$11 + (-19) =$</p> <p>$12 - 34 =$</p>	<p>Complete</p> <p>$5 \times 5 =$</p> <p>$7 \times 9 =$</p> <p>$9 \times 7 =$</p> <p>$10 \times 14 =$</p> <p>$22 \times 20 =$</p> <p>$25 \times 8 =$</p> <p>$66 \times 9 =$</p> <p>$33 \times 6 =$</p> <p>$74 \times 34 =$</p> <p>$17 \times 8 =$</p> <p>$11 \times 5 =$</p>	<p>Complete</p> <p>$48 \times 5 =$</p> <p>$38 \times 9 =$</p> <p>$69 \times 7 =$</p> <p>$15 \times 14 =$</p> <p>$333 \times 20 =$</p> <p>$587 \times 22 =$</p> <p>$784 \times 9 =$</p> <p>$31 \times 9 =$</p> <p>$774 \times 3 =$</p> <p>$521 \times 8 =$</p> <p>$369 \times 5 =$</p>
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<p>Use the percent proportion to find each number.</p> <p>50 % of what number is 31?</p> <p>What number is 110% of 51?</p> <p>Find 8% of 95.</p>	<p>Find each product or quotient. Write in simplest form.</p> <p>$2/5 \times 5/9 =$</p> <p>$7/8 \times 2 =$</p> <p>$4/5 \times 1/5 =$</p>	<p>Find the area for base b and height h of each triangle</p> <p>$b = 4$ in $h = 6$ in</p> <p>$b = 4$ cm $h = 5$ cm</p> <p>$b = 2.5$ ft $h = 6.2$ ft</p>	<p>Our coin is randomly selected from a jar containing 20 pennies, 15 nickels, 3 dimes, and 12 quarters. Find the odds of each outcome. Write in simplest form.</p> <p>A dime</p> <p>A value less than \$0.25</p> <p>A value greater than \$0.10</p> <p>A value less than \$0.03</p>	<p>Find the mean, median and the mode for each set of data.</p> <p>(99, 88, 88, 92, 100)</p> <p>(30, 22, 38, 41, 33, 41, 30, 24)</p>

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Evaluate each expression.	Write a verbal expression for each algebraic expression. 14 - 9 C	Find the value of each expression.	Name the property used in each step.	Complete
35 - 3 + 8 =		5.65 - 3.08 =	$2 \times 3 + (4 \times 2 - 8)$	648 x 15 =
		1 1/12 + 3 2/3 =	= $2 \times 3 + (8 - 8)$	398 x 29 =
29 - 3 (9 - 4) =		4.85 (2.72) =	_____	369 x 7 =
			= $2 \times 3 + (0)$	1551 x 14 =

			= 6 + 0	

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Find the value of x. Then name the property used.	Define.....	Properties and Operations	Complete.....	Complete.....
$8 = 8 + x$	Line:	Applying Properties	$432 \times 6 =$	$123 \times 7 =$
$10x = 10$	Integers:	Write the sum. Change the order of the addends.	$657 \times 14 =$	$914 \times 14 =$
$x + 0 = 5$	Interval:	$2 + 5 =$ $\underline{\quad} + \underline{\quad} = \underline{\quad}$	$951 \times 2 =$	$224 \times 20 =$
$5 + 1/5 = x$	Liter:	Using inverse operations	$258 \times 12 =$	$652 \times 32 =$
		Find the number that makes both sentences true.	$352 \times 9 =$	$78 \times 8 =$
		$\underline{\quad} \times 6 = 42$	$32 \times 8 =$	$33 \times 5 =$
		Equations and Expressions		
		Finding Missing Numbers		
		$7 + 5 = 9 + \underline{\quad}$		
		Solve Equations		
		$m + 41 = 95$		

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Simplify	Write an algebraic expression for each word phrase.	Match each word phrase with an expression.	Write <, >, or =	Multiple Choice..... Which integer is greater than -6 and less than -3?
$2^3 \times 2 - 4^2$	13 less than a number q	There are two fewer guests. _____	(-12) _____ (12)	A. 4 B. -2 C. -5 D. -7
$(3 - 2)^2 - 2^2$	Number of day in w weeks	There are half as many ears. _____	(-19) _____ (-7)	Kyle's family drove 40.8 miles east to visit his grandmother, and then 5.2 miles farther east to a restaurant. His family then drove west to return home. How many miles did his family travel in all?
$2^2 \times (2 - 4)^2$		There are two more books. _____ a. $m + 2$ b. n divided by 2 c. $p - 2$	(3) _____ (-4)	A. 46 C. 86.8 B. 81.6 D. 92
$4^3 + 4 \div 4$			(6) _____ (-9)	

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Solve each equation	Complete.....	Complete.....	Open - ended....	Writing in Math.....
$3x - 1 = 14$	$662 \times 6 =$	$987 \times 5 =$	Write an integer that is greater than 10 and less than (-15).	Suppose a and b are integers, and $(a) > (b)$. Must a be greater than b ? Use examples to support your answer. _____ _____ _____ _____ _____ _____
$10 + 3n = 25$	$314 \times 4 =$	$654 \times 14 =$		
$\frac{2}{3}n - 10 = 14$	$523 \times 2 =$	$369 \times 2 =$		
$1.5 + \frac{4}{5}a = 21$	$256 \times 5 =$	$258 \times 12 =$		
	$111 \times 7 =$	$147 \times 9 =$		
	$374 \times 9 =$	$369 \times 8 =$		

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<p>Describe the pattern for each sequence. Then find the next three terms</p> <p>1, 2, 4, 8, _ _ _</p> <p>$\frac{1}{2}, \frac{1}{4}, \frac{1}{8}, \frac{1}{16},$ _ _ _</p> <p>-2, 4, -8, -16, _ _ _</p> <p>600, -300, 150, _ _ _</p>	<p>Number Sense....</p> <p>Which is greater. $-5(x)$ or $5(-x)$?</p>	<p>Write an algebraic expression for each phrase.</p> <p>The product of -3 and a number s</p> <p>A number v divided by 12</p> <p>The sum of 4 and a number f</p>	<p>Simplify each expression</p> <p>(-304)</p> <p>(15)</p> <p>$2 \times (8)$</p> <p>$6 - (-3)$</p>	<p>Evaluate each expression for the given values.</p> <p>$3(c)$ for $c = -3.5$</p> <p>$(f \times g)$ for $f =$ and $g = 7$</p>

SIP2CA SUMMER READING 2018

Dear Middle School Students and Families,

In our continuing effort to promote stronger community growth and more in-depth book discussions next fall, we have chosen our new "One Book, One School" title for 2018. **All middle school students in grades 6 through 8 are required to read the book *The Fish in the Tree* by Lynda Mullaly Hunt.** The book and its themes will be woven throughout the middle school curriculum and community activities for the 2018-19 school year. In addition, **incoming 6th graders are required to choose TWO additional books** (from two different genres) from the attached book list grid while the **7th and 8th graders are required to read THREE additional books.** As always, we encourage students to read MORE than the required amount and students will have the opportunity to share their thoughts on what they have read when they return to school in the fall.

After reading their books, **students are required to write 2 letters to their class.** The first should discuss what they thought and felt while reading the book *The Fish in the Tree* and the second letter should be about one of their chosen books. The letters are due by September 7th. Students will also be expected to do a project or writing assignment about *The Fish in the Tree* this fall in their reading class, so make sure you keep the story fresh in your mind!

Happy Reading!

The SJPIICA Reading Teachers

SJP2CA Summer Reading 2018

ONE BOOK, ONE SCHOOL: All Middle School Students in Grades 6-8 are required to read----->

The Fish in the Tree by Lynda Mullaly Hunt

Incoming 6 th graders must read:	The Fish in the Tree by Lynda Mullaly Hunt	AND at least TWO books from this list from two DIFFERENT genres.
Incoming 7 th & 8 th graders must read:	The Fish in the Tree by Lynda Mullaly Hunt	AND at least THREE books from this list from three DIFFERENT genres.

GENRE	Book Choices	Book Choices	Book Choices	Book Choices
Fiction	The White Giraffe <i>St. John</i>	Drums, Girls and Dangerous Pie- <i>Sonnenblick</i> _____	Walk Two Moons <i>Creech</i>	The Maze Runner <i>Dashner</i>
		Where the Mountain Meets the Moon <i>Lin</i>	The Dark is Rising Series <i>Cooper</i>	The City of Ember <i>DuPrau</i>
Sci Fi/Fantasy	The Giver <i>Lowry</i>	Red Scarf Girl: A Memoir of the Cultural Revolution <i>Jiang</i>	FREE CHOICE: Must be grade level and appropriate for school!!!	Twelve Rounds to Glory: The Story of Muhammad Ali <i>Smith</i>
Bio/AutoBio	Hidden Figures: Young Readers Edition <i>Lee, Shutterly</i>	The Shakespeare Stealer Blackwood	Bud, Not Buddy <i>Paul Curtis</i>	Inside Out and Back Again <i>Lai</i>
				Dreams from My Father <i>Obama</i>
Historical	The Witch of Blackbird Pond <i>Speare</i>	Alex Rider Series <i>Horowitz</i>	FREE CHOICE: Must be grade level and appropriate for school!!!	Crispin: The Cross of Lead <i>Avi</i>
Mystery/Adventure	Call of the Wild: The Graphic Novel London			Liar, Liar <i>Paulson</i>
				Ender's Game <i>Scott Card</i>

Free Choice Book List

These texts were specifically chosen to support Middle School grade-level instruction based on the Common Core State Standards for English Language Arts and Literacy in History/Social Studies, Science, and Technical Subjects. The range of selected texts includes books narrated in first-person point of view (RL.6.6), stories and dramas that lend themselves to a study of plot (RL.6.3), and texts from many different genres (RL.6.9) including literary nonfiction (RL.6.1).

FICTION

Beowulf by Michael Foreman, *Caddie Woodlawn* by Richard Mantel, *Marco of the Winter Caves* by Ann Turnbull, *The Midnight Ride of Paul Revere* by Henry Wadsworth Longfellow, *The 290* by Scott O'Dell, *Catherine, Called Birdy* by Karen Cushman, *A Single Shard* by Linda Sue Park, *The Pearl* by John Steinbeck, *Great Expectations (Enriched Classic)* by Charles Dickens, *The Red Badge of Courage (Enriched Classic)* by Stephen Crane

Sci Fi/Fantasy

The Freedom Maze by Delia Sherman, *The Girl Who Could Fly* by Victoria Forester, *The Green Boy* by Susan Cooper, *The Green Book* by Lloyd Bloom, *H.I.V.E.* by Mark Walden, *The Inquisitor's Apprentice* by Chris Moriarty, *The Angel Experiment* by James Patterson, *Downsiders* by Neil Shusterman

BIO/AUTO BIO

Jane Goodall: Animal Scientist by Katherin Krone, *John Lewis in the the Lead* by James Haskins; Kathleen Benson, *The Story of My Life* by Helen Keller, *Beyond the Myth: The Story of Joan of Arc* by Polly S. Brooks, *The Notorious Benedict Arnold: A True Story of Adventure, Heroism & Treachery* by Steve Sheinkin, *Out of Darkness: The Story of Louis Braille* by Russell Freedman, *Becoming Billie Holiday* by Carole Weatherford, *Escape! The Story of the Great Houdini* by Sid Fleishman, *Shipwrecked! The True Adventures of a Japanese Boy* by Rhoda Blumberg

HISTORICAL

The Edge of the Ninth by Rosemary Sutcliff, *I Survived the Destruction of Pompeii, 79 A.D.* by Lauren Tarshis, *Fallout* by Todd Strasser, *Morning Girl* by Michael Dorris, *Call Me by My Name* by John Ed Bradley, *Lunchbox Dream* by Tony Abbott, *All the Broken Pieces* by Ann E. Burg, *Dark Water Rising* by Marian Hale

MYSTERY/ADVENTURE

Bamboo People by Mitali Perkins, *Big Game* by Dan Smith, *Downriver* by Will Hobbs, *The Black Pearl* by Scott O'Dell, *The Voyage of the Frog* by Gary Paulson, *Abel's Island* by William Steig, *Blizzard of Glass: The Halifax Explosion of 1917* by Sally M Walker, *Buried Alive! How 33 Miners Survived 69 Days Deep Under the Chilean Desert* by Elaine Scott, *The Finest Hours: The True Story of the Coast Guard's Most Daring Sea Rescue* by Casey Sherman