

## Pope John Paul II

### ENTERING EIGHTH GRADE

**The following is the required reading for students entering eighth grade**

**\*\* *Because They Marched* – Russell Freedman** In the early 1960s, tensions in the segregated South intensified. Tired of reprisals for attempting to register to vote, Selma's black community began to protest.

**\*\* *Code Orange* - Caroline B Cooney** While conducting research for a school paper on smallpox, Mitty finds an envelope containing 100-year-old smallpox scabs and fears that he has infected himself and all of New York City.

**\*\* *Leap of Faith* - Kimberly Brubaker Bradley** ©2007 Forced to attend a Catholic middle school because of her conduct, Abigail discovers a talent for theater and develops a true religious faith. Age Range: 12 – 13 Years Grade Level: 7 – 8

**Please read two (2) of the following books as well as the required reading above.**

**Theodore Boone: Kid Lawyer - John Grisham** ©2011 In the small city of Strattenburg, there are many lawyers, and though he's only thirteen years old, Theo Boone thinks he's one of them. Theo knows every judge, policeman, court clerk—and a lot about the law. He dreams of being a great trial lawyer, of a life in the courtroom. National Book Award Winner Age Range: 12 – 13 Years Grade Level: 7 - 8

**Be: The Journey of Rol – Ric Colegrove** ©2014 In a time and place different than our own, a fourteen-year-old boy named Rol sets out on a journey, alone. He faces incredible challenges and makes lifelong friends. Rol learns what it takes to be who he is truly meant to be, with help from those he encounters along the way. Website for downloading Free Companion Guide <http://thejourneyofrol.com/guide/> Age Range: 12 - 15 Years Grade Level: 7 - 10

**Because They Marched – Russell Freedman** ©2014 In the early 1960s, tensions in the segregated South intensified. Tired of reprisals for attempting to register to vote, Selma's black community began to protest. Age Range: 12 – Up Years Grade Level: 7 – Up

**Code Talker - Joseph Bruchac** After being taught in a boarding school run by whites that Navajo is a useless language, Ned Begay and other Navajo men are recruited by the Marines to become Code Talkers, sending messages during World War II in their native tongue. ALA Notable Children's Book

**The Boy in the Striped Pajamas – John Boyne** ©2007 Berlin, 1942: When Bruno returns home from school one day, he discovers that his belongings are being packed in crates. His father has received a promotion and the family must move to a new house far, far away, where there is no one to play with and nothing to do. Age Range: 12 – Up Years Grade Level: 7 – Up

**Countdown (Sixties Trilogy) – Deborah Wiles** ©2013 Franny Chapman just wants some peace. But that's hard to get when her best friend is feuding with her, her sister has disappeared, and her uncle is fighting an old war in his head. Her saintly younger brother is no help, and the cute boy across the street only complicates things. Worst of all, everyone is walking around just waiting for a bomb to fall. Age Range: 12 – 13 Years Grade Level: 7 – 8

**Do the Math: Secrets, Lies, and Algebra – Wendy Lichtman** ©2007 Tess has always loved math, and she uses mathematical concepts to help her understand things in her life, so she is dismayed to find out how much math--and life--can change in eighth grade. (Math) Age Range: 12 - 15 Years Grade Level: 7 - 10

**Down the Rabbit Hole: An Echo Falls Mystery – Peter Abrahams** ©2006 Eighth grader Ingrid Levin Hill idolizes Sherlock Holmes, so it is not surprising when, stumbling across a murder, she opts to keep what she knows a secret and tries to solve the crime herself. Age Range 12 – 13 Years Grade Level: 7 – 8

Revised May 2018

**Fly Girl** – **Sherri L. Smith** ©2010 All Ida Mae Jones wants to do is fly. Her daddy was a pilot, and years after his death she feels closest to him when she's in the air. But as a young black woman in 1940s Louisiana, she knows the sky is off limits to her, until America enters World War II, and the Army forms the WASP-Women Airforce Service Pilots. Ida has a chance to fulfill her dream if she's willing to use her light skin to pass as a white girl. Age Range: 12 - 15 Years Grade Level: 7 - 10

**The Good Fight: How World War II was Won** – **Stephen Ambrose** ©2005 Stephen E. Ambrose, one of the finest historians of our time, has written an extraordinary chronicle of World War II for young readers. From Japanese warplanes soaring over Pearl Harbor, dropping devastation from the sky, to the against-all-odds Allied victory at Midway, to the Battle of the Bulge during one of the coldest winters in Europe's modern history, to the tormenting decision to bomb Nagasaki and Hiroshima with atomic weapons, *The Good Fight* brings the most horrific -- and most heroic -- war in history to a new generation in a way that's never been done before. Age Range: 12 – 13 Years Grade Level: 7 - 8

**Legend** – **Marie Lu** ©2013 June and Day have sacrificed so much for the people of the Republic—and each other—and now their country is on the brink of a new existence. June is back in the good graces of the Republic, working within the government's elite circles as Princess Elect while Day has been assigned a high level military position. Age Range: 12 – Up Years Grade Level: 7 - Up

**Million Dollar Throw** – **Mike Lupica** ©2005 Nate Brodie is nicknamed “Brady” not only for his arm, but also because he's the biggest Tom Brady fan. He's even saved up to buy an autographed football. Age Range: 12 – Up Years Grade Level: 7 – Up

**Navy Seal Dogs-My Tale of Training Canines for Combat** – **Mike Ritland** ©2015 Trident K9 Warriors gave readers an inside look at the SEAL teams' elite K9 warriors--who they are, how they are trained, and the extreme missions they undertake to save lives. From detecting explosives to eliminating the bad guys, these powerful dogs are also some of the smartest and highest skilled working animals on the planet. Mike Ritland's job is to train them. Age Range: 13 to 18 Years Grade Level: 8 – 12

**Sign Language** – **Amy Ackley** ©2011 Sign Language tells the story of twelve-year-old Abby North. Her first hint that something is wrong with her dad is the scar that appears on his stomach after he goes in for kidney surgery. Age Range: 12 - 15 Years Grade Level: 7 - 10

**Terror at Bottle Creek** – **Watt Key** ©2016 In this gritty, realistic wilderness adventure, thirteen-year-old Cort is caught in a battle against a Gulf Coast hurricane. Cort's father is a local expert on hunting and swamp lore in lower Alabama who has been teaching his son everything he knows. But when a deadly Category 3 storm makes landfall, Cort must unexpectedly put his all skills-and bravery-to the test. Age Range: 13 - 14 Years Grade Level: 6 - 9

**The Thing About Luck** – **Cuthnia Kadohata** ©2014 Summer knows that kouun means "good luck" in Japanese, and this year her family has none of it. Just when she thinks nothing else can possibly go wrong, an emergency whisks her parents away to Japan--right before harvest season. Summer and her little brother are left in the care of their grandparents -- Obaachan and Jiichan -- who come out of retirement in order to harvest wheat and help pay the bills. Age Range: 13 - 14 Years Grade Level: 6 - 9

## Grade 8 – Math Summer Assignment

Name: \_\_\_\_\_ Date: \_\_\_\_\_

**MAKE SURE TO SHOW ALL OF YOUR WORK!!**

### *Rational Numbers and Ratios*

**Answer the following questions**

1.) If Matthew walks  $\frac{1}{4}$  mile in 20 minutes, how far does he walk in 100 minutes?

2.)  $-3\frac{3}{7} + (5\frac{1}{5})$

3.)  $\frac{2}{9} - \frac{4}{9}$

4.)  $\frac{6}{11} \cdot (-2\frac{5}{8})$

5.)  $9\frac{1}{3} \div (-\frac{8}{9})$

6.)  $-5.1 + (-2.43)$

7.)  $(-12.4 - 0.05) - (3.4 + 1.4)$

8.)  $(-15.97)(3.2)$

9.)  $\frac{20}{4.5}$

**True or False: If false, provide a correct solution.**

\_\_\_\_\_ 10.) Below sea level suggests a positive integer.

\_\_\_\_\_ 11.) An example of the Identity Property is:  $a + (-a) = 0$

\_\_\_\_\_ 12.) The absolute value of -8 is 8.

*Percents, Discounts, and Increases*

**13.) A BluRay box set is on sale for 30% off. The original price is \$50.**

a.) What was the discount amount?

b.) What was the discount price?

**14.) After eating dinner at a restaurant, your bill *before tax* is \$23.45**

a.) You decide to leave an 20% tip for the server based on the pre-tax amount.  
What is the tip amount you leave for your server?

b.) The sales tax rate is 6%. How much will your total bill be, *including tax and tip*?

15.) Gas prices are expected to increase 105% by 2015. A gallon of gas currently costs \$3.71. Using the data provided, what is the projected cost of a gallon of gas in 2015?

16.) Joseph has a \$30 gift card. He finds a pair of jeans on sale for  $\frac{1}{3}$  off the original price of \$50. He is wondering if his gift card will cover the total cost of the jeans.

a.) What is the sale price of the jeans?

b.) If sales tax is 6%, what is the total cost of the jeans on sale?

c.) Will Joseph's gift card cover the total cost? Explain why or why not.

*Expressions, Equations, and Inequalities*

**Write an algebraic expression for each of the following statements:**

17.) Three times a number,  $n$ , decreased by six:

18.) Four times the sum of a number,  $n$ , and 4:

19.) -3 decreased by a number,  $n$  equals 6:

20.) The difference between a number,  $n$ , and 7 is less than 15.

21.) Circle the equivalent expression for:  $3(x - 5) + 10$  that is in simplest form

a.)  $3x + 15 - 10$

b.)  $3x + 5$

c.)  $3x - 5$

d.)  $-12x - 9$

**Evaluate the expressions with the values given.**

22.)  $n + 7$  if  $n = 13$

23)  $6(20 + n)$  if  $n = -5$

24)  $5a + 3b + c$  if  $a=1, b=-5, c=2$

**Write and solve an equation for each of the following statements.**

25.) A number,  $n$ , decreased by fifteen is 24.

a.) EQUATION:

b.) SOLUTION:

26) Three times the sum of five and  $n$  is eighteen.

a.) EQUATION:

b.) SOLUTION:

27.) A rectangle has a width of 8 and a perimeter of 48. What is the length?

28.) A group of 7th graders built a scale model of the National Shrine of the Immaculate Conception in Washington, DC. For the Great Dome, they used a scale of 2.5 cm = 1 meter. The diameter on the model of the Great Dome is 23 cm. Using the scale provided, how many meters is the actual diameter of the Great Dome?

Use this statement for #29, 30, and 31: ***The difference between 18 and 3 times a number is greater than 36***

29) Write an equation or inequality for the statement:

30) Solve:

31) Graph the solution on the number line:

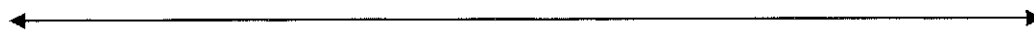


32.) Jackie has \$50 to spend on clothes. She wants to buy jeans for \$15 and spend the rest on shirts. Each shirt costs \$6. Write and solve an inequality to show the total number of shirts she can buy. Let  $s$  = number of shirts. Graph your solution on a number line

a.) INEQUALITY:

b.) SOLUTION:

c.) NUMBER LINE:



*Geometry, Perimeter, Area, and Volume*

33) Draw a quadrilateral with one set of parallel sides and no right angles

34) The seventh grade class is building a mini golf game for Field Day. The end of the putting green will be a circle. If the circle is 9 feet in diameter, how many square feet of grass carpet will they need to cover the circle? (Use 3.14 for  $\pi$ )

35) The local home improvement store offered to donate the grass carpet. Write how you would communicate this information to the store manager to make sure you receive a piece of carpet that is the correct size.

*Multiple Choice:*

36.) Which of the following does not describe  $-5$ ?

- a) Natural number      b) Negative integer      c) Rational number      d) Integer

37.) During the 2010 regular season, the Philadelphia Phillies won 60 games and lost 40 at Citizens Bank Park. Circle the ratio that is NOT equivalent (*Wins: Losses*).

- a) 30 : 20                  b) 3 : 2                  c) 6 : 4                  d) 15 : 8

38.) In the National Hockey League (NHL), the official size of the rectangular ice rink shall be three hundred feet (300') long and seventy-five feet (75') wide. What is the area of an official NHL ice rink?

- a) 22,500 ft                  b) 22,500 ft<sup>2</sup>                  c) 22,500 ft<sup>3</sup>                  d) none of these

39.) A fish tank in the shape of a rectangular prism is 10 inches long, 15 inches wide, and 20 inches high. What is the volume of the fish tank?

- a) 300 in<sup>3</sup>                  b) 45 in<sup>3</sup>                  c) 3000 in<sup>3</sup>                  d) none of these