

Trenton Catholic Preparatory Academy
Grades 7 & 8 Supply List
2023-2024

All students in the Middle School are required to purchase the following supplies for the 2023-2024 school year.

- pens (dark blue or black ink only) no pink, orange, green, etc.
- 24 pencils—writing instruments are needed everyday
- (1) package of loose leaf paper
- (2) Hi-Liters
- (1) ruler
- (8)- folders: Religion, Spanish, social studies, art, technology, music, science, and language arts
- (2) single subject notebooks
- (5) book covers (paper or appropriate sized Book Socks L or XL)
- **book bags must be able to fit into a locker**
- (2) three ring biners with dividers (math and language arts)
- ear buds for computer class
- (1) package of index cards
- (1) assignment notepad
- (1) Four Function Calculator (basic, not scientific) Please label with name
- 1 box of tissues
- 1 roll of paper towels
- 1 container of Lysol/Clorox Wipes



Art Supplies

- art box (medium size)- must fit in locker
- watercolor pencils
- sketch pad
- mechanical pencils
- (1) large glue stick
- (1) pair of scissors
- (1) package of Sharpies



Please be mindful that all supplies can be found at Walmart, Dollar General, or Dollar Tree and should be replenished throughout the school year. It is important that our students have the necessary supplies at all times to ensure their success in the classroom. Have a great summer and we look forward to seeing you in September!

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8th Grade Summer Reading List 2023-2024 for New Students

This summer, you are going to choose two books from the reading list below. You can choose two nonfiction books, two fiction books, or a book from each category. When you have picked the books, you are going to note them in the attached reading log. For the log, you need to enter the title of the book, how many pages/chapters you've read and the date you read those pages. When you are done reading the books, you need to write a summary in **one paragraph**. This will be collected in the beginning of the school year, and it will be graded.

Fiction Book List

Rumble Fish by S.E. Hinton

Code Talker: A Novel About the Navajo Marines of World War II by Joseph Bruchac

My Side of the Mountain by Jean Craighead George

Lord of the Flies by William Golding

Little Blog on the Prairie by Cathleen Davitt Bell

A Separate Peace by John Knowles

The Witch of Blackbird Pond by Elizabeth George Speare

The Chosen by Chaim Potok

Anything but Typical by Nora Raleigh Baskin

Nonfiction Book List

Freedom Riders: John Lewis and Jim Zwerg on the Front Lines of the Civil Rights Movement by Anne Bausum

Sugar Changed the World: A Story of Magic, Spice, Slavery, Freedom and Science by Marc Aronson and Marina Budhos

Bootleg: Murder, Moonshine and the Lawless Years of Prohibition by Karen Blumenthal

The Hive Detectives: Chronicles of Honey Bee Catastrophe by Loree Griffin Burns

10,000 Days of Thunder: A History of the Vietnam War by Philip Caputo

Tracking Trash Flotsam, Jetsam and the Science of Ocean Motion by Loree Griffin Burns

Good Brother, Bad Brother the Story of Edwin Booth and John Wilkes Booth by James Cross Giblin

Incoming New 8th Grade Math Assignments

You will be given a math challenge packet for summer review. You may work on the challenge in whichever way best suits your style. All I ask is that you do not leave the assignment until the week or even the day before school begins. This challenge is meant for you to maintain your skills. You may use help from siblings, parents, and most importantly your brain to complete the assignments. Please do not use a calculator. You must show all of your work. This packet will be collected on the first day of school and graded.

Summer Reading Log

Title _____

[illegible]

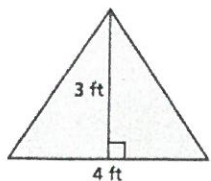
Incoming 8th grade summer math challenge packet

Solve each problem. Show all work.

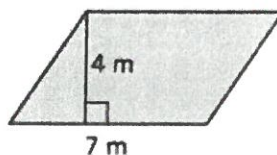
1. $4.5 \div 0.9$	2. $34.1 \div 5.5$	3. $2.7(7.8)$
4. $\frac{6}{7} \cdot \frac{5}{9}$	5. $\frac{4}{5} \div \frac{8}{11}$	6. $\frac{3}{8} \cdot \frac{4}{9}$
7. You need to buy 5 notebooks for your classes at school. Each notebook costs \$2.79. What is the total cost of 5 notebooks before tax?		
8. You have \$50 in your savings account. Each week you deposit \$5 in your account. Write an expression that models the situation?		
9. $x + 5 = 10$	10. $x - 2 = 6$	11. $x - 1 = 9$
12. $7 + x = 13$	13. $5x = 65$	14. $\frac{x}{3} = 11$

Incoming 8th grade summer math challenge packet

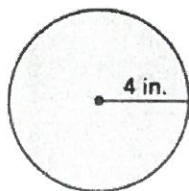
15. Find the area:



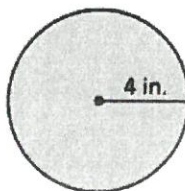
16. Find the area:



17. Find the circumference:



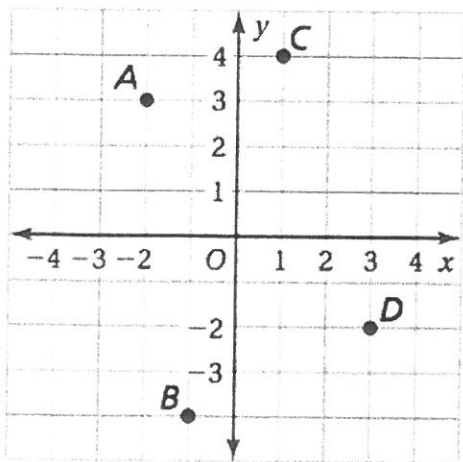
18. Find the area:



Write each decimal as a percent or percent as a decimal.

19. 0.89	20. 2.37	21. 0.0029
22. 3%	23. 78%	24. 500%

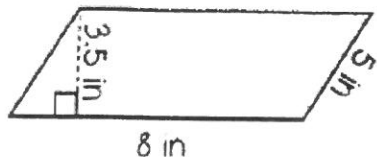
Find the coordinates of each point.



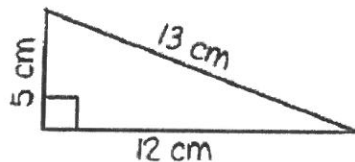
25. A:	26. B:
27. C:	28. D:

Incoming 8th grade summer math challenge packet

29. Find the perimeter:



30. Find the perimeter:



Evaluate each expression when: $a = 5$, $b = 12$, $c = 10$, & $d = 2$.

31. $2b - a$	32. $d(ab - c)$	33. $b - c + d$
34. $2a^2 - c$	35. $\frac{4a}{b + 4d}$	36. $3 + \frac{b}{d}$

Solve each problem.

37. $-4 + 11$	38. $-6 - 9$	39. $-7(-8)$
40. $60 \div (-4)$	41. $ -34 $	42. $ -(-41) $
43. $17(-14)$	44. $12 - (-19)$	45. $(0.6)^2$
46. $-\frac{7}{12} - \frac{1}{8}$	47. $-\frac{7}{8} \div \frac{3}{4}$	48. $\frac{13}{18} \cdot \frac{9}{25}$

Solve each word problem using the method of your choice.

49. A fencing company charges \$22 per foot to install a wood fence. How much will it cost to install a wood fence around a rectangular pool area that is 20 feet wide and 38 feet long?

50. A 6 inch-tall plant grew $\frac{3}{4}$ of an inch one week and twice as much the following week. How tall is the plant now?

51. Jack can read 45 pages of his book in one and a half hours. At that rate, how long will it take him to read the entire 300-page book?

52. Brian ordered 3 large cheese pizzas and a salad. The salad cost \$4.95. If he spent a total of \$47.60 including the \$5 tip, how much did each pizza cost? (Assume there is no tax).

53. A cookie recipe calls for $3\frac{1}{4}$ cups of flour. The recipe makes 3 dozen cookies. How much flour is needed to make 144 cookies?

54. Ella has a box of chocolate candies. She gives $\frac{1}{3}$ of the candies to her sister, 4 to her brother, and she eats the remaining 12 candies. How many chocolate candies were in the box originally?

Solve each word problem using the method of your choice.

55 20% of the 520 students in Wendover Middle School were involved in school sports. Of those students, 12.5% were on the wrestling team. How many students were on the wrestling team?

56 A piggy bank contains some dimes and nickels. There are 8 more dimes than nickels in the bank. There is a total of \$1.40. How many of each type of coin are in the bank?

57 An elevator in a tall building goes up 7 floors, then down 9 floors, down 4 floors, up 8 floors, and down 2 floors. Now it is on floor 14. On what floor did the elevator start?

58 Jenna danced for 3 hours on Sunday, 2 hours on Monday and Tuesday, 1 hour on Thursday, 1.5 hours on Friday, and 2 hours on Saturday. She did not dance at all on Wednesday. What is the average number of hours she danced each day? Round your answer to the nearest tenth of an hour.

59 Jackie makes \$15.25/hour babysitting. George makes \$18.50/hour mowing the lawn. If Jackie babysits for 4 hours and George mows lawns for 3 hours, who makes more money? How much more does he/she make?

60 A box of 8 crayons costs \$0.96. How much does each crayon cost? At that unit price, how much would a box of 30 crayons cost?

Exercises: SHOW ALL WORK.

Find the mean, median, range, and mode of each of the following data sets. You may use a calculator to identify the mean.

61. 54, 65, 74, 35, 87

65. 54.6, 45.98, 67.4, 55.6, 45.7, 58.9

62. 122, 145, 156, 176, 198, 202

66. 11, 14, 16, 15, 32, 23, 27, 27, 23, 43

63. 6, 7, 8, 4, 6, 5, 8, 3, 6, 8, 5, 4

67. -4, 7, -3, 4, 8, 12, -5, -3, 8, 16, 9

64. 43, 56, 98, 67, 87

68. 12, 15, 14, 18, 33, 32, 24, 26, 27

Student Evaluation/Reflection Form

Complete this form after finishing the summer math challenge

1. How would you rate the difficulty of the problems in general throughout the summer math challenge? Please rate on a scale from 1-10, with 1 being the easiest and 10 being the hardest.

1 (easiest)	2	3	4	5	6	7	8	9	10 (hardest)
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2. What types of problems in the challenge were the most difficult and why?

3. What types of problems in the challenge were the easiest and why?

4. When did you complete the challenge? How did you pace yourself when completing the challenge? (Did you do it every day, once a week, completed it in a few days?)

5. List at least 3 goals you have for 7th-grade math.

- 1) _____
- 2) _____
- 3) _____

6. Explain how you plan to achieve those goals.

Thank you for taking the time to complete this evaluation/reflection!
I really appreciate your input!