

HOLY INNOCENTS SCHOOL
Working together for quality Catholic education
1312 E. Bristol Street
Philadelphia, PA 19124
215-743-5909

STATIONERY LIST FOR GRADE 8 (2023 – 2024)

Please send in \$50.00 to cover the cost of stationery. Included in this amount are the *computer fee (\$10.00)*, *FACTS Management fee (\$10.00)* and, *art fee (\$5.00)*. THIS MONEY WILL BE COLLECTED THE FIRST DAY OF SCHOOL.

Must be purchased at school

- 1 Large Pencil Case
- 1 Homework Calendar
- 1 Library Copybook
- 1 Bible (not necessary to purchase if you have the one from last year.)

Items that may be purchased elsewhere: THESE ITEMS ARE REQUIRED!

- (6) Marble Copybooks (Hard cover) (NO SPIRAL NOTEBOOKS ARE PERMITTED!)
Please **DO NOT** write anything in or on the copybooks until teaches give directions in September
- 1 inch Binder for calendar (No big binders-they do not fit in desks)
- (3) 2-pocket folders with hole punches
- 1 Ruler (12 inch with standard and metric measurements)
- A pack of sharpened #2 pencils (wooden pencils only)
- A pack of black or blue pens
- 3 red pens
- 3 Highlighters
- Glue (liquid and stick)
- 1 pack of theme paper (loose leaf)
- 1 reams of computer/printer paper
- Scissors
- Crayons (16 count)
- Colored Pencils (12 count)
- Markers (Crayola)
- Clear Contact paper to cover 7 workbooks (Purchase now or during the summer)
- Jumbo book socks to cover 3 textbooks
- Calculator (Should have square root and fraction key)
- 3 packs of index cards

I ask that each student also bring:

2 Rolls of paper towels	3 Container of sanitizing wipes	1 Bottle of spray cleaner
2 Boxes of tissues	1 Large bottle of hand sanitizer	

DO NOT BRING WHITE OUT TO SCHOOL: “CORRECTO TAPE” ONLY, NO SPIRAL COPYBOOKS, and NO PERMANENT MARKERS

Parents, it is also a good idea to keep scotch tape and a stapler in your home for homework and projects. Please replenish supplies regularly.

ELA Summer Reading Assignment

Grade 7 entering Grade 8

September, 2023

7th and 8th GRADE READING BOOKS TO CHOOSE FROM FOR
SUMMER READING

Please choose one of the books below to read and complete the
attached activities for the book after you have read it.

Mrs. Maureen Connors – mconnors@hiaces.org

The New Kid by Jerry Kraft

A Place to Belong by Cynthia Kadohata

The Giver by Lois Lowry

Tuck Everlasting by Natalie Babbitt

The Westing Game by Ellen Raskin

The Wednesday Wars by Gary D. Schmidt

Watership Down by Richard Adams

Touching Spirit Bear by Be Mikaelson

The Girl Who Drank the Moon by Kelly Barnhill

The Pigman by Paul Zindel

Brian's Winter by Gary Paulsen (this is a sequel to Hatchet)

Complete each activity for whichever book you chose.

Due: First day of school

1. Design a new book cover. Explain what your book cover means and why your book cover is better than the one that the book has now.

Besides the book cover, there should be at least two paragraphs explaining your choice.

2. Make a sequential time chart of the most important events in the story. You can do the chart in any form. If you Google timelines for kids, you will see many examples of timelines to get ideas about how to organize them.

Hand in a list of events along with the chart.

3. Pretend you are the author of the novel and write a letter to a friend where you discuss why you wrote the book. Talk about some of the story's events and what were some of the special meanings you intended to convey to the reader. Please include 3 events.

4. Choose some part of the novel that interested you and write a different scene or ending of the part. This can be done with a one paragraph rewrite.

5. Select one character or more in the story and write about how he or she would change if they were in new surroundings. This should be at least a paragraph in length.

6. Write parts of the story from someone's point of view. If the book is told by a different character. Please choose at least 5 different scenes from the book.

Required Summer Math
Grade 7 entering Grade 8
September 2023

This is the summer math packet if you are entering 8th grade next year. There are 160 questions in total which you can spread out over the summer by doing about 18 questions per week. Unless you register within two weeks of the beginning of the school year, you are responsible for these concepts before school starts in fall. This will be counted as the student's first grade for Math. This packet will be collected from each student the first day back and adequate work must be shown for problems as appropriate. Five points will be deducted for each day the assignment is not turned in to the math teacher. If you have trouble working the problems, look at online resources, ask a friend or parent for help. If you are still having trouble, please email me by July 25th. I can Zoom meet for help in early August before school starts to go over select problems. Problems should be familiar and cover basic skills that will help you achieve success in 7th grade mathematics. Of course, you may need to refresh your memory as you work through the problems. Please also practice your math facts throughout the summer. I look forward to seeing you in fall and I hope you have a wonderful summer!

Top Online Resources:

<http://www.Mathisfun.com/>

<http://Ixl.com>

<http://www.studentguide.org/a-complete-list-of-online-math-resources/>

Blessings,

Mrs. Roberts, mrsmleroberts@gmail.com

7th into 8th Summer Packet

Use an integer strategy to find each answer.

$$(-4) - (+2) =$$

$$(-5) - (+12) =$$

$$(-10) + (-10) =$$

$$(+6) - (+9) =$$

$$(+6) + (+9) =$$

$$(-4) \times (+7) =$$

$$(-36) \div (+3) =$$

$$(-10) + (+12) =$$

$$(+11) + (-2) =$$

$$(-12) \times (-8) =$$

$$(+6) - (+6) =$$

$$(-2) - (-3) =$$

$$(-4) + (-7) =$$

$$(+10) \div (-10) =$$

$$(-7) - (+1) =$$

$$(+7) - (-4) =$$

$$(+4) - (+5) =$$

$$(+1) + (-4) =$$

$$(-12) \div (+12) =$$

$$(-6) \times (+12) =$$

$$(-12) \times (+1) =$$

$$(-3) - (-1) =$$

$$(+1) + (-11) =$$

$$(-10) \times (-3) =$$

$$(+11) - (-10) =$$

$$(-10) - (-3) =$$

$$(+44) \div (+11) =$$

$$(-66) \div (-11) =$$

$$(+12) \times (+11) =$$

$$(-8) \times (+1) =$$

Adding and Subtracting Mixed Fractions (A)

Find the value of each expression in lowest terms.

1. $2\frac{1}{5} + 1\frac{3}{4}$

5. $1\frac{1}{2} + 2\frac{3}{5}$

9. $3\frac{1}{2} - 1\frac{1}{2}$

2. $3\frac{1}{2} - 2\frac{2}{3}$

6. $3\frac{1}{2} - 2\frac{5}{9}$

10. $5\frac{1}{2} + 5\frac{1}{4}$

3. $3\frac{1}{2} - 3\frac{1}{2}$

7. $2\frac{3}{4} + 1\frac{1}{5}$

11. $1\frac{10}{11} - 1\frac{1}{3}$

4. $5\frac{3}{4} - 5\frac{1}{4}$

8. $3\frac{1}{4} - 2\frac{3}{8}$

12. $1\frac{5}{12} + 3\frac{1}{3}$

Multiplying and Dividing Mixed Fractions (A)

Find the value of each expression in lowest terms.

1. $3\frac{2}{7} \div 1\frac{1}{4}$

6. $1\frac{1}{3} \times 1\frac{2}{3}$

11. $1\frac{3}{8} \div 1\frac{1}{12}$

2. $1\frac{2}{3} \div 3\frac{1}{3}$

7. $1\frac{1}{3} \times 2\frac{1}{5}$

12. $2\frac{7}{8} \div 5\frac{1}{2}$

3. $2\frac{1}{4} \div 1\frac{1}{2}$

8. $2\frac{1}{7} \div 2\frac{1}{2}$

13. $3\frac{2}{3} \div 1\frac{1}{6}$

4. $6\frac{1}{2} \div 2\frac{2}{3}$

9. $1\frac{3}{11} \div 2\frac{1}{3}$

14. $1\frac{3}{8} \times 3\frac{1}{3}$

5. $2\frac{1}{10} \div 2\frac{3}{5}$

10. $3\frac{1}{2} \div 2\frac{3}{4}$

15. $1\frac{4}{11} \div 1\frac{1}{4}$

Order of Operations

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$(7 - 6 + 2)^2 \times 5$$

$$(4^2 + 3) \times (10 - 8)$$

$$2^2 \times (9 - 7 + 6)$$

$$4 + 7^2 \div (6 - 5)$$

$$(6^2 + 9) \div (10 - 5)$$

$$(4^2 - 8 + 10) \div 6$$

$$(2^3 - 5 + 7) \div 10$$

$$(4 + 6 - 2^3) \times 3$$

$$(3^2 - 9) \div 8 + 10$$

$$5 \div (4 \times 2 - 7)^3$$

Order of Operations

Name: _____

Date: _____

Solve each expression using the correct order of operations.

$$2^3 \times (3 + 8 \div 4)$$

$$(10 \div 5 + 2)^2 \times 4$$

$$3 \times (8 + 7 - 2^2)$$

$$8 \div (6 + 4 - 9)^2$$

$$4 \div (5^2 - 8 \times 3)$$

$$6^2 \div (10 + 4 - 8)$$

$$(10^2 - 7 + 3) \div 6$$

$$4 \times (6 + 9 - 3^2)$$

$$(3^2 - 7 + 5) \times 10$$

$$10 \times (2^3 + 7 - 6)$$

Name _____

Date _____

Evaluate each expression using the values given.

1) $n^2 - m$; use $m = 7$, and $n = 8$

2) $8(x - y)$; use $x = 5$, and $y = 2$

3) $yx \div 2$; use $x = 7$, and $y = 2$

4) $m - n \div 4$; use $m = 5$, and $n = 8$

5) $x - y + 6$; use $x = 6$, and $y = 1$

6) $z + x^3$; use $x = 1$, and $z = 19$

7) $y + yx$; use $x = 15$, and $y = 8$

8) $q \div 6 + p$; use $p = 10$, and $q = 12$

9) $x + 8 - y$; use $x = 20$, and $y = 17$

10) $15 - (m + p)$; use $m = 3$, and $p = 10$

11) $10 - x + y \div 2$; use $x = 5$, and $y = 2$

12) $p - 2 + qp$; use $p = 7$, and $q = 4$

Name: _____

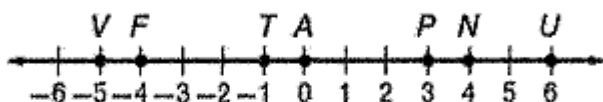
6th into 7th Summer Packet

1. The table shows the costs of different size jars of peanut butter. Which of the jars has the lowest unit rate?

Comparison Shopping	
Size	Cost
12-oz	\$3.00
18-oz	\$4.40
25-oz	\$6.75
32-oz	\$8.25

2. Vicky jogged $2\frac{3}{4}$ miles in $\frac{1}{2}$ hour. What was her average rate of speed in miles per hour?
3. **SHORT ANSWER** A pair of jeans that normally sells for \$35 is on sale for 20% off. Find the sale price of the jeans. Then find the total cost of the jeans if the sales tax rate is 6%.
4. How much simple interest is earned on an investment of \$1,250 if the money is invested for 5 years at an annual interest rate of 4.5%?
5. A muffin recipe calls for 4 cups of sugar and yields 36 muffins. If Amelia only wants to make 24 muffins, how much sugar will she need?
6. Simplify the complex fraction.
- $$\frac{\frac{4}{3}}{\frac{2}{5}}$$
7. The bookstore normally sells mechanical pencils for \$6.50. This week the pencils are discounted by 25%. To the nearest cent, what is the amount of discount?
8. Christy drove 135 miles in 2.5 hours. What was her average speed in miles per hour?

9. Which two points represent integers with the same absolute value?



10. How is the fraction $\frac{19}{30}$ written as a decimal?

11. Suppose a submarine is diving from the surface of the water at a rate of 80 feet per minute. What integer represents the depth of the submarine after 7 minutes?

12. What is the simplified form of the algebraic expression shown below?

$$7w - 6 - 3w + 5$$

Indicate the answer choice that best completes the statement or answers the question.

13. Which expression is equivalent to the algebraic expression below?

$$-4(3x - 5)$$

- a. $-x - 5$ b. $-x - 9$ c. $-12x + 20$ d. $-12x - 5$

14. Suppose a 24-acre plot of land is being divided into $\frac{1}{3}$ -acre lots for a housing development. How many lots will there be in the development?

15. Jacob is $5\frac{5}{6}$ feet tall. Linda is $5\frac{1}{4}$ feet tall. How much taller is Jacob?

16. The thickness of a CD is about $\frac{1}{20}$ inch. If Carrie has a stack of 52 CDs, what is the height of the stack?

17. What is the quotient of the division problem?

$$\frac{-44}{4}$$

18. Simplify the expression.

$$(4x - 1) + (-6x + 3)$$

19. Overnight the low temperature dropped to -6 degrees Fahrenheit. If the high temperature during the day was 11 degrees Fahrenheit, what was the difference between the high and low temperatures?

20. **SHORT ANSWER** Danielle owes her brother \$40. She pays him \$25. Write an integer to represent how much she still owes her brother. Explain how you solved.

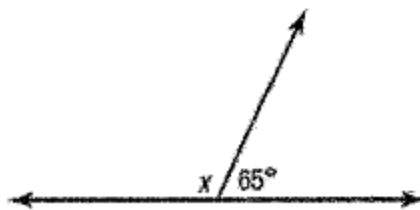
21. **SHORT ANSWER** Write the next three terms of the arithmetic sequence below.

$$1, 9, 17, 25, 33, \dots$$

22. Which operation should be performed first to solve the inequality below?

$$-3x + 5 \leq 23$$

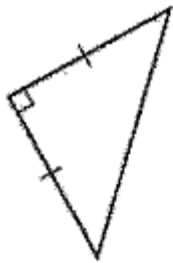
23. What is the measure of x in the figure below?



24. What is the solution to the equation below?

$$\frac{x}{3} = -6$$

25. Classify the triangle below by its angles and sides.



26. What is the solution to the equation below?

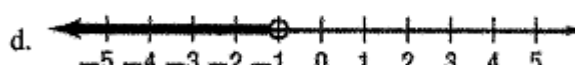
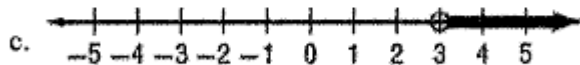
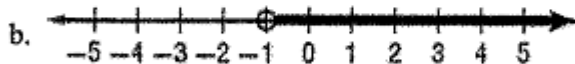
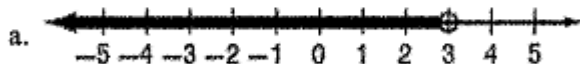
$$-\frac{5}{4}x + \frac{2}{5} = -\frac{13}{30}$$

27. Terrance is making a scale model of a car that is 16 feet long. He is using the scale 1 inch = 2.5 feet. How long is Terrance's model?

Indicate the answer choice that best completes the statement or answers the question.

28. Which number line shows the solution to the inequality below?

$$v - 2 > 1$$



29. Angles R and Z are complementary. If $m\angle R = 26^\circ$, what is the measure of angle Z ?

30. Tien bought movie tickets for herself and two of her friends. She paid \$8.50 for each ticket. If Tien has \$14.50 left, how much money did she have before she bought the movie tickets?

31. The angle measures of a triangle are 28° , 70° , and 82° . Classify the triangle by its angle measures.

Indicate the answer choice that best completes the statement or answers the question.

32. Fran wants to rent a scooter for the afternoon, but she can spend no more than \$50.

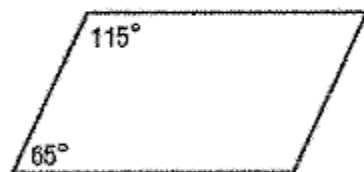
Scooter Rental	
First Hour.....	\$12.50
Each Additional Hour.....	\$7.50

Which inequality can Fran use to find the maximum number of hours she can rent a scooter?

- a. $12.5 + 7.5n \leq 50$ b. $12.5 + 7.5n < 50$ c. $12.5n + 7.5 \leq 50$ d. $20n < 50$
33. Five more than twice a number is equal to 19. What is the number?

Indicate the answer choice that best completes the statement or answers the question.

34. Two angle measures in a parallelogram are labeled. Which term best describes the angles?

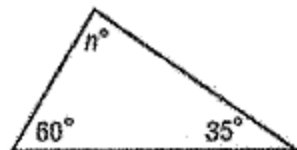


- a. complementary b. acute c. obtuse d. supplementary
- Enter the appropriate value to answer the question or solve the problem.

35. **SHORT ANSWER** Solve the equation below. Check your answer.

$$2(x + 5) = 16$$

36. **SHORT ANSWER** The sum of the measures of the angles of a triangle is 180. Write and solve an equation to find the missing measure in the figure below. Show your work.



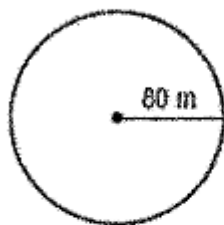
37. **SHORT ANSWER** A shipping company charges \$3.50 plus \$0.85 per pound to ship a package. Janet shipped a package and the total charge was \$8.60. Write and solve an equation to find the weight of the package.

38. **SHORT ANSWER** Carla and Mandy are solving the inequality below.

$$-4x \geq 12$$

Carla says the solution is $x \leq -3$, while Mandy says the solution is $x \geq -3$. Which student is correct? What mistake was made by the other student?

39. If Michelle rollerblades around a circular track with a radius of 80 meters, how far does she skate? Use 3.14 for π . Round to the nearest tenth.



40. A sprinter runs 400 meters in 54 seconds. What is the runner's average running rate in meters per second? Round to the nearest tenth.

41. The weight of an object on Mars varies directly as the weight of the object on Earth. A 90-pound object on Earth weighs 34 pounds on Mars. If an object weighs 135 pounds on Earth, how much does it weigh on Mars?

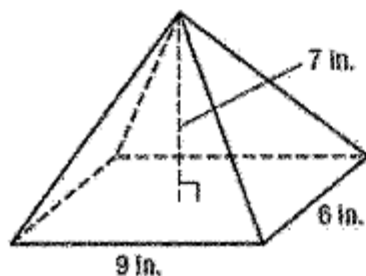
42. A jar contains 3 pennies, 5 nickels, 4 dimes, and 6 quarters. If a coin is selected at random, what is the probability of selecting a penny?

43. What expression is equivalent to the algebraic expression below?

$$3(-2x - 1)$$

44. What is the probability of tossing a penny and landing on heads three times in a row?

45. What is the scale factor of a drawing if the scale is 1 inch = 4 feet?
46. Megan surveyed a random sample of 60 students at her school and found that 42 of them ride the bus to school each day. If there are 320 students at Megan's school, about how many of them ride the bus to school each day?
47. Last summer there were 88 players at Coach Rodriguez's basketball camp. This year there are 125% of this number of players. How many players are there at camp this year?
48. What is the volume of the pyramid shown below?



49. What is the decimal equivalent of the fraction $\frac{32}{45}$?
50. Last year there were 29 students at a creative writing workshop. This year 35 students attended the workshop. To the nearest tenth, what is the percent of change in the number of students in attendance?

Indicate the answer choice that best completes the statement or answers the question.

51. In a recent survey, 88% of shoppers at a grocery store said they would be interested in a rewards program. If there were 450 shoppers surveyed, which proportion can be used to find the number who are interested in a rewards program?
- a. $\frac{100}{88} = \frac{n}{450}$ b. $\frac{88}{450} = \frac{n}{100}$ c. $\frac{88}{100} = \frac{450}{n}$ d. $\frac{88}{100} = \frac{n}{450}$
52. Which of the following shows the rational numbers in order from least to greatest?
- a. 81.5%, $0.81\bar{5}$, $\frac{33}{40}$ b. 81.5%, $\frac{33}{40}$, $0.81\bar{5}$ c. $0.81\bar{5}$, $\frac{33}{40}$, 81.5% d. $0.81\bar{5}$, 81.5%, $\frac{33}{40}$

53. **SHORT ANSWER** Ronaldo rolled a number cube 50 times. During these trials he rolled the number 5 a total of 7 times. Based on these trials, what is the probability of rolling a 5? Does this represent a theoretical or experimental probability? Explain.

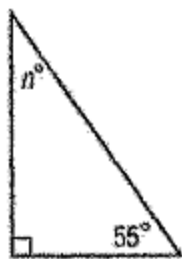
Indicate the answer choice that best completes the statement or answers the question.

54. Which of the following rational numbers is equivalent to a repeating decimal?

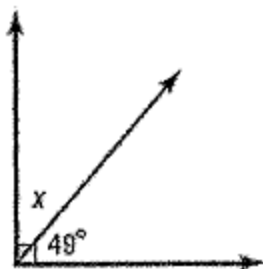
a. $\frac{24}{60}$ b. $\frac{30}{64}$ c. $\frac{29}{50}$ d. $\frac{35}{60}$

55. The angle measures of a triangle are 33° , 94° , and 53° . Classify the triangle by its angle measures.

56. **SHORT ANSWER** Write and solve an equation to find the missing measure. Show your work.



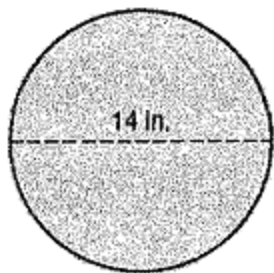
57. What is the measure of x in the figure below?



58. WHICH OF THE FOLLOWING SHOWS THE RATIONAL NUMBERS IN ORDER FROM LEAST TO GREATEST?

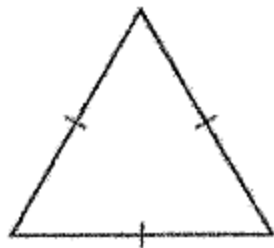
a. 81.5% , $0.81\bar{5}$, $\frac{33}{40}$ b. 81.5% , $\frac{33}{40}$, $0.81\bar{5}$ c. $0.81\bar{5}$, $\frac{33}{40}$, 81.5% d. $0.81\bar{5}$, 81.5% , $\frac{33}{40}$

58. A large pizza at Angelo's Pizzeria has a diameter of 14 inches. What is the area of the pizza? Use 3.14 for π . Round to the nearest tenth.



59. A home improvement store normally sells 20-foot extension ladders for \$225. This week the ladders are discounted by 20%. What is the sale price of the ladders?

60. Classify the triangle below by its angles and sides.



61. The table shows the number of yards jogged by Kaylee each minute.

Time (min)	Distance (yd)
1	175
2	350
3	525
4	700

If the pattern continues, how many yards will Kaylee have jogged after 20 minutes?

62. Simplify the expression below.

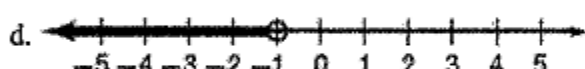
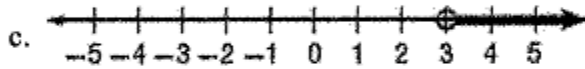
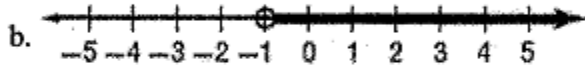
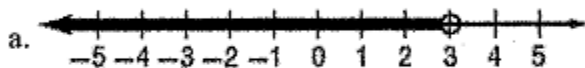
$$(-7x + 4) - (2x - 8)$$

63. Angles C and E are supplementary. If $m\angle C = 77^\circ$, what is the measure of angle E ?
64. How much simple interest would be earned on an investment of \$16,000 if the money is invested for 20 years at an annual interest rate of 5.25%?
65. A muffin recipe calls for 8 cups of flour and yields 24 muffins. If Natalie wants to make 60 muffins, how much flour will she need?

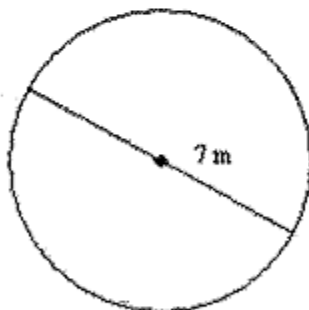
Indicate the answer choice that best completes the statement or answers the question.

66. Which number line shows the solution to the inequality below?

$$-4g < 4$$



67. What is the area of the figure below? Use 3.14 for π . Round to the nearest tenth.



68. Christy drove 132 miles in $2\frac{3}{4}$ hours. What was her average speed in miles per hour?
69. Suppose the length of each side of a square is decreased by 4 feet. If the perimeter of the square is now 32 feet, what was the original length of each side?

70. What is the solution to the equation?

$$4(x + 1) = -16$$

71. Which operation should be performed last to solve the inequality below?

$$-7x + 4 > -10$$