

Welcome to Middle School at St. Joseph School!

Dear Students and Guardians

Welcome back to middle school all of our seventh and eighth grade students. We welcome the sixth grade students to our team. To simplify things, the middle school teachers are requiring the same materials for 6th, 7th, and 8th grade students. The list includes everything you will need for your homeroom as well as all other classes. Here is what you need to bring on the first day of school.

- 2 boxes of tissues for classroom use
- 1 container of hand sanitizer
- 1 roll of paper towels for classroom use
- headphones/earbuds for in school Chromebook— must be left in school (an extra pair in case one breaks is optional)
- One package of blue or black pens
- One package of red pens for making corrections
- One package of pencils for Math
- Glue sticks (2 or 3)
- Scissors
- Correction tape (no liquid white out as it is messy)
- A one inch binder for writing and Literature
- 8th Grade— 1 inch binder for History
- Post it notes for literature
- A box or zippered container to hold school supplies
- A box of colored pencils
- 7 book covers

Composition notebooks will be provided by the school office. Do not buy notebooks. Notebook and Scholastic magazine fees will be communicated in August.

Mandatory for 7th and 8th grade students

Purchase a Texas Instruments (TI84) calculator. Stores run sales periodically, so look for special pricing.

Middle School Summer Reading Book Report Assignment

Directions: You are to choose ONE book from the *list attached or approved list on the Archdiocese website for grades 6-8. (Do not read The River or Outsiders.)* After reading, complete ONE of the questions below. Your question must be one FULL page (that means top to bottom of page) typed in MLA format. Be sure to type the question you are responding to beneath the heading.

1. What important lesson does your character learn in the story? Use examples from the story to support your answer.
2. If you wanted to describe how the main character changed in the story, choose the event that was most important. Describe the event and explain why it changed the character.
3. Think about what this story says about people in general. In what ways does it remind you of people you have read about? Support your answer with evidence from the story.
4. Choose the part of the story that you think was most important. Use information from the story to support your answer.
5. What will your character probably do next? Why do you think so? Use information from the story to support your answer.
6. Write an entry that could have appeared in your character's journal.
7. Which part of the story was most interesting or surprising? Use information from the story to support your answer.
8. Would you recommend this book to anyone? Why or why not? Discuss the character, the main conflict or how it is or isn't resolved or how realistic the character seems in his or her quest to resolve the conflict or how the author revealed the theme through the character and his or her problem. Is this how you would have handled the problem the character has? Why or why not? These are the reasons why we do or do not like books.

Middle School Summer Reading Options

Novels read must be on the student's reading level. They must be chapter books. No graphic novels will be accepted.

Below are suggested books, however if there is one you would rather read please email me the title and author so that I can make sure it is at an appropriate level.

- Percy Jackson Series - Rick Riordan
- Any books from Rick Riordan series
- Bomb - Steve Sheinkin
- The Boy Who Harnessed the Wind - William Kamkwamba
- Code Girls - Liza Mundy
- Echo - Pam Munoz Ryan
- Grenade - Alan Gratz
- Freedom Riders - Ann Bausum
- Through my Eyes - Ruby Bridges
- Hunger Games series - Suzanne Collins
- Chinese Cinderella - Adeline Yen Mah
- Words in the Dust - Trent Reedy
- Hoot - Carl Hiaasen
- Tangerine - Edward Bloor
- All-American Girl - Meg Cabot
- The Storm Runner - J.C. Cervantes
- Words on Fire - Jennifer Nielsen
- The Crossover - Alexander Kwame
- Wishtree - Katherine Applegate
- A Wrinkle in Time - Madeline L'Engle
- Because of Mr. T. - Rob Buyea
- Almost Home - Joan Bauer
- Freedom Walkers - Russell Freedman
- Harry Potter Series - J.K. Rowling
- Lord of the Rings series - J.R.R. Tolkien
- Hidden Figures - Young Readers Edition - Margot Lee Shetterly
- In the Shadows of the Sun - Anne Sibley O'Brien
- Restart - Gordon Korman
- Refuge - Alan Gratz
- The Dreamer - Pam Munoz Ryan
- On the Horizon - Lois Lowry
- Nazi Hunters - Neal Bascomb
- Resistance - Jennifer Nielsen

Summer Math Packet

Grade 6

Dear students,

Congratulations on entering middle school. I look forward to continuing your math education as you continue to grow academically, physically, and spiritually.

This math packet is to be completed by the beginning of the upcoming school year and will be listed as a quiz grade worth 20%. Students failing to complete this assignment at the beginning of the academic year will receive a 50 as their grade. In addition, all students should continue practicing their multiplication facts up to 12. This will make your transition to middle school much more fluid.

Have a great summer!

Mr. Houle

Name _____

Show your work and explain your methods.

Find the sum.

1.
$$\begin{array}{r} \$83.07 \\ 48.81 \\ 71.13 \\ + 13.62 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 299.69 \\ + 826.76 \\ \hline \end{array}$$

3.
$$\begin{array}{r} \$157.00 \\ + 562.52 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 3.92 \\ 54.79 \\ 47.23 \\ + 6.09 \\ \hline \end{array}$$

Find the product.

5. $n \times 708$ when $n = 455$

6. $n \times 137$ when $n = 708$

7. $185 \times n$ when $n = 897$

8. $580 \times n$ when $n = 110$

Find the value of n .

9. $56,000 \div n = 800$

$n =$ _____

10. $35 \div n = 7$

$n =$ _____

11. $24 \div 4 = n$

$n =$ _____

12. $450,000 \div 90 = n$

$n =$ _____

Name _____

Divide.

13. $5 \overline{)329}$

14. $7 \overline{) \$510.23}$

15. $51 \overline{) \$445.60}$

16. $30 \overline{) 907,228}$

Subtract.

17. $4102 - 3073$

18. $\begin{array}{r} \$43.00 \\ - 19.67 \\ \hline \end{array}$

19. $\begin{array}{r} \$974.33 \\ - 408.51 \\ \hline \end{array}$

20. $135,360 - 12,475$

Find the missing minuend.

21. $\begin{array}{r} \boxed{?} \\ - 125 \\ \hline 305 \end{array}$

22. $\begin{array}{r} \boxed{?} \\ - 1629 \\ \hline 4391 \end{array}$

23. $\begin{array}{r} \boxed{?} \\ - 453 \\ \hline 247 \end{array}$

24. $\begin{array}{r} \boxed{?} \\ - 1576 \\ \hline 1624 \end{array}$

$\boxed{?} = \underline{\hspace{2cm}}$

$\boxed{?} = \underline{\hspace{2cm}}$

$\boxed{?} = \underline{\hspace{2cm}}$

$\boxed{?} = \underline{\hspace{2cm}}$

Name _____

Multiply.

25. $63 \times \$0.48$

26. $\begin{array}{r} \$5.69 \\ \times 204 \\ \hline \end{array}$

27. $213 \times \$2.45$

28. $\begin{array}{r} \$7.30 \\ \times 254 \\ \hline \end{array}$

Solve. Show your work and explain your thinking.

29. Pam has money in her wallet and in a box next to her bed. She has twice as much money in the box as in her wallet. She has a total of \$20.70. How much money does Pam have in her wallet?

30. The price of Brad's stock at 9:00 A.M. was \$5.40. The price rose \$2.20 every hour until 1:00 P.M., then dropped \$1.30 every hour after that until 4:00 P.M. What was the stock's price at 3:00 P.M.?



Name _____

Materials: protractor

Show your work and explain your methods.

Use rounding to estimate. Then find the sum or difference.

1.
$$\begin{array}{r} 3.072 \\ 8.653 \\ + 9.047 \\ \hline \end{array}$$

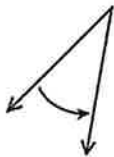
2.
$$\begin{array}{r} 37.45 \\ - 8.346 \\ \hline \end{array}$$

3. $6.794 - 2.305$

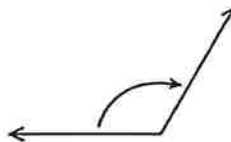
4. $0.4 + 0.79 + 2.05$

Find the measure of each angle, and write whether it is *acute*, *right*, *obtuse*, or *straight*.

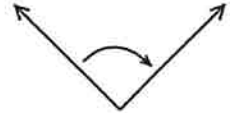
5.



6.



7.



Write each number as a product of prime numbers. Use exponents when appropriate.

8. 46

9. 36

10. 40

Find the quotient or product.

11. $n \times 4.38$ when $n = 4$

12. $n \div 4$ when $n = 1.22$

13. $0.19 \div n$ when $n = 5$

Name _____

Find the product.

14.
$$\begin{array}{r} 86.9 \\ \times 4.3 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 43.51 \\ \times 705 \\ \hline \end{array}$$

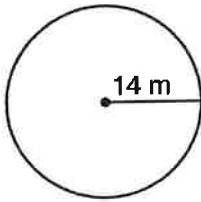
16. 7×0.86

17. 28×2.352

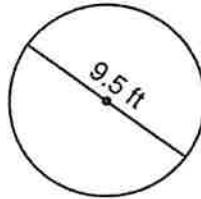
Use the formula to find the circumference of each circle.

Use $\pi \approx 3.14$ or $\frac{22}{7}$.

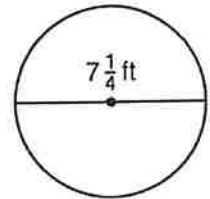
18.



19.

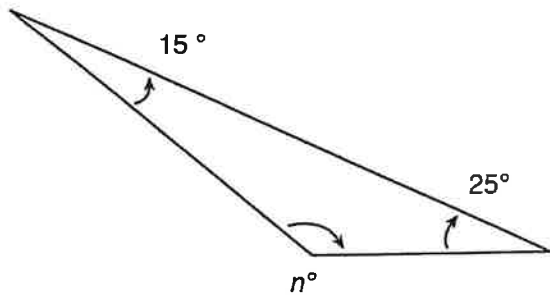


20.



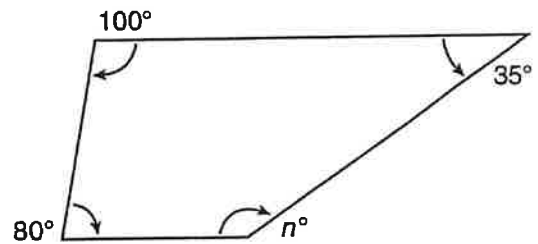
Find the measure of the missing angle.

21.



$n =$ _____

22.



$n =$ _____

Name _____

Use a protractor to draw each angle.

23. 25°

24. 165°

25. 95°

Find the difference.

26.
$$\begin{array}{r} 7\frac{1}{4} \\ - 1\frac{3}{5} \\ \hline \end{array}$$

27. $12\frac{6}{7} - 3\frac{1}{4}$

28. $\frac{5}{6} - \frac{5}{9}$

Solve. Show your work and explain your thinking.

29. Each cat carrier weighs 4.7 lb. Pedro ships 8 cat carriers to the rescue center. If he pays \$1.25 per pound for shipping, how much does it cost to ship all 8 cat carriers?

30. Sofia has $3\frac{1}{4}$ dozen bracelets left at the end of the craft fair. She sold 2 dozen bracelets in the afternoon. She made $\frac{3}{4}$ dozen bracelets before that. She sold $1\frac{1}{2}$ dozen bracelets in the morning. How many bracelets did Sofia have to begin with?



Beginning-of-Course Diagnostic Test

1. Write the place value of the underlined digit in 523,411,396.
 2. Write the place value of the underlined digit in 402,659.
 3. Round 4,078 to the hundreds place.
 4. Round 116,830 to the thousands place.
 5. Write 14,230,612 in words.
 6. Write ten billion in standard form.
 7. Write one million, sixty-two thousand, nine hundred thirteen in standard form.
 8. Use $>$ or $<$ to compare the numbers.
106,218 ? 106,812
 9. Order from least to greatest.
2,706; 2,805; 2,766; 2,689
 10. Use $>$ or $<$ to make the relation true.
43,561 ? 44,679 ? 44,697
- Add.**
11.
$$\begin{array}{r} 4,208 \\ +6,967 \\ \hline \end{array}$$
 12. $591 + 79$
 13. four thousand sixty-two plus nine hundred eighteen
- Subtract.**
14. $2,051 - 988$
 15.
$$\begin{array}{r} 116,493 \\ - 90,287 \\ \hline \end{array}$$
 16. nine thousand minus five hundred thirty-eight

Beginning-of-Course Diagnostic Test (continued)

Multiply.

17. 594×8

18.
$$\begin{array}{r} 1,174 \\ \times \quad 6 \\ \hline \end{array}$$

19. six thousand eighty-one times seven

20. 54×917

21.
$$\begin{array}{r} 806 \\ \times 255 \\ \hline \end{array}$$

22. one thousand sixty-nine times forty-eight

23. one hundred thirty-three times four thousand, two hundred eighty-six

Divide.

24. $6 \overline{)822}$

25. $964 \div 5$

26. one thousand, two hundred eighty-seven divided by nine

27. $6,432 \div 24$

28. $504 \div 24$

29. $1,756 \div 29$

30. $5 \overline{)1,016}$

Beginning-of-Course Diagnostic Test (continued)

Use the word bank below to complete each sentence.

WORD BANK

product	quotient
sum	difference
add	subtract
less than	greater than

31. The + symbol means to _____.
32. When you multiply two or more numbers together, you are finding the _____ of the numbers.
33. Five is _____ twelve.
34. To find the _____ of two numbers, you subtract the second number from the first number.
35. The - symbol means to _____.
36. When you divide one number by another number, you are finding the _____.
37. Forty is _____ thirty.
38. When you add two or more numbers together, you are finding the _____ of the numbers.

Write each of the following sentences using mathematical symbols.

39. Nineteen is greater than eleven.
40. The sum of two and twelve is fourteen.

41. One hundred divided by twenty is five.

42. The product of 50 and some number x is 450.

Multiply using mental math.

43. $462 \times 10,000$

44. $706,215 \times 100$

Divide using mental math.

45. $17,000 \div 1,000$

46. $8,203,000 \div 100$

List all the factors of each number.

47. 12

48. 128

Find the Greatest Common Factor (GCF) of each pair of numbers.

49. 18 and 45

50. 12 and 72

Beginning-of-Course Diagnostic Test (continued)

List the first five multiples of each number.

51. 4

52. 12

Find the Least Common Multiple (LCM) of each pair of numbers.

53. 8 and 12

54. 16 and 24

55. 12, 15, and 30

Name the place value of the last digit.

56. 46.91

57. 2.7

58. 101.462

59. 0.985436

Write each number in words.

60. 0.6

61. 7.438

62. 104.46

63. 0.00008

Write in standard form.

64. five and sixty-three hundredths

65. six thousandths

66. two hundred sixty-one and four hundred nineteen thousandths

67. one million, eighty-four thousand, ninety-two and three hundredths

Round each number to the place value indicated.

68. 43.673; hundredths

69. 0.497004; tenths

70. 639.000096; ten thousandths