

THE CATHOLIC ACADEMY
OF STAMFORD

June 2026

Dear Catholic Academy of Stamford Rising 6th Grade Math Students,

Congratulations on finishing another successful year! In order to be prepared for 6th grade math class, you are being asked to complete the attached math packet. *Unless you register within the last two weeks of summer, you are responsible for completing the entire packet before the new school year begins at the end of August.*

Please read the directions carefully and make sure that all parts are completed. You will be receiving a grade (in regards to completeness and accuracy) for this assignment. Please use a pencil and show your work. You are not allowed to use a calculator. This packet is due to your math teacher on the first day of math class.

Parents are asked to verify that their child completed this summer work by signing at the bottom of this letter.

Please note that if this math work is not submitted on time, a late penalty will be deducted from the grade.

Additionally, during the months of June and July you should also be doing 15 minutes of your I Ready math path each week. (The path usually shuts down in August as I Ready is using that time to make adjustments for the upcoming school year.)

Thank you.

Mr. Agostino & Mrs. Mysogland
Middle School Math Teachers

Parent Signature _____ Date _____

name _____

1. What is the value of the expression $54 - (12 \div 2)$?
 - A. 21
 - B. 30
 - C. 33
 - D. 48

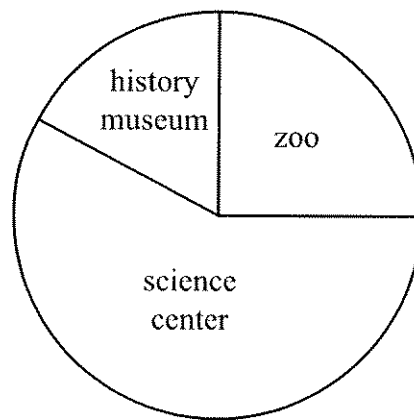
2. Which list is in order from least to greatest?
 - A. 8.120, 8.012, 8.201, 8.210
 - B. 8.012, 8.120, 8.210, 8.201
 - C. 8.012, 8.120, 8.201, 8.210
 - D. 8.120, 8.201, 8.012, 8.201

3. What is the greatest common factor of 18 and 24?
 - A. 2
 - B. 3
 - C. 4
 - D. 6

4. What is the quotient of $47.1 \div 5$?
 - A. 0.942
 - B. 9.42
 - C. 94.2
 - D. 942

5. Use the circle graph below to answer the question.

Field Trip Survey Results



The circle graph shows the results of a survey of 300 fifth-grade students to find out where they would like to go for their class field trip. How many students would like to go to the zoo?

- A. 75
B. 90
C. 100
D. 125
6. The walking club at school walked $3\frac{1}{2}$ miles the first week and $3\frac{1}{4}$ miles the second week. How much farther did the students walk the first week than the second week?
- A. $\frac{1}{4}$ mile
B. $\frac{1}{2}$ mile
C. $6\frac{2}{6}$ miles
D. $6\frac{3}{4}$ miles

7. Anna eats 30% of a pizza that is cut into 10 pieces that are the same size. What fraction of the pizza does she eat?
- A. $\frac{1}{5}$
- B. $\frac{3}{10}$
- C. $\frac{1}{3}$
- D. $\frac{3}{7}$
8. Which fractions have a common denominator of 24?
- A. $\frac{1}{20}$ and $\frac{1}{4}$
- B. $\frac{1}{14}$ and $\frac{1}{24}$
- C. $\frac{1}{3}$ and $\frac{1}{8}$
- D. $\frac{2}{3}$ and $\frac{6}{7}$

9. What is $10\frac{2}{3} - 8\frac{1}{7}$?

A. $2\frac{1}{10}$

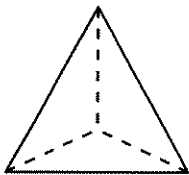
B. $2\frac{3}{21}$

C. $2\frac{1}{4}$

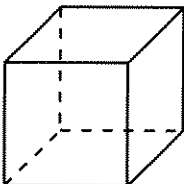
D. $2\frac{11}{21}$

10. Which solid object has 4 faces, 6 edges, and 4 vertices?

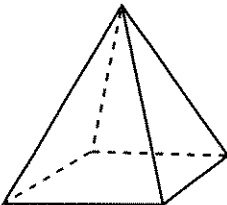
A.



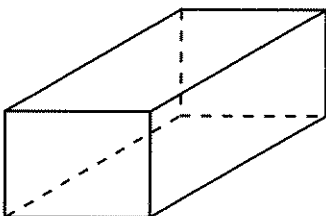
B.



C.



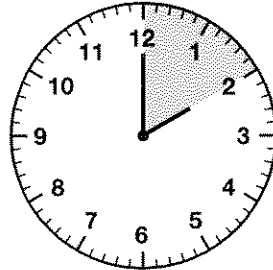
D.



11. Five pounds of apples cost \$5.78. Mary needs 10 pounds of apples to make applesauce. Which estimate is closest to the cost of 10 pounds of apples?

- A. \$10.00
- B. \$11.00
- C. \$12.00
- D. \$13.00

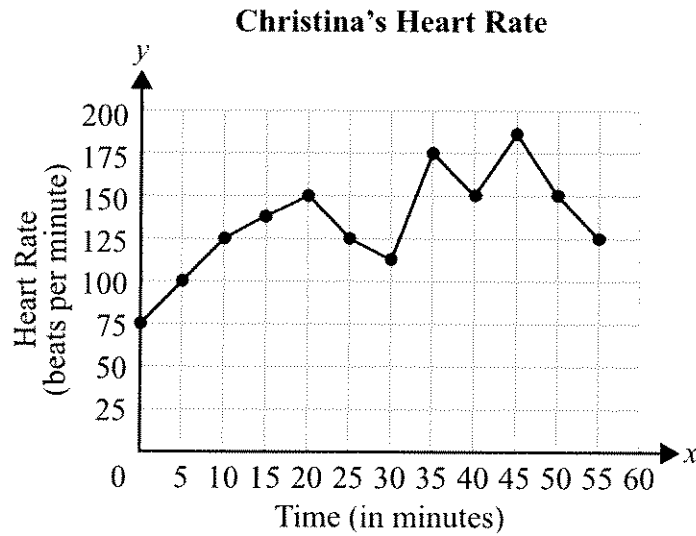
12. Use the picture below to answer the question.



What is the measure, in degrees, of the angle formed by the hands of the clock?

- A. 30°
- B. 45°
- C. 60°
- D. 90°

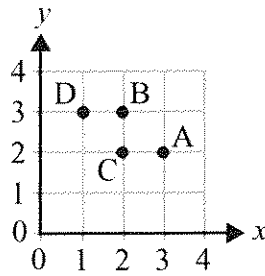
13. Use the graph to answer the question.



The line graph shows Christina's heart rate at 5-minute intervals after she starts exercising. During which 5-minute interval did Christina's heart rate increase the most?

- A. 15 minutes to 20 minutes
 - B. 30 minutes to 35 minutes
 - C. 40 minutes to 45 minutes
 - D. 45 minutes to 50 minutes
14. Which metric unit is the most appropriate to measure the length of a classroom?
- A. centimeter
 - B. kilometer
 - C. meter
 - D. millimeter

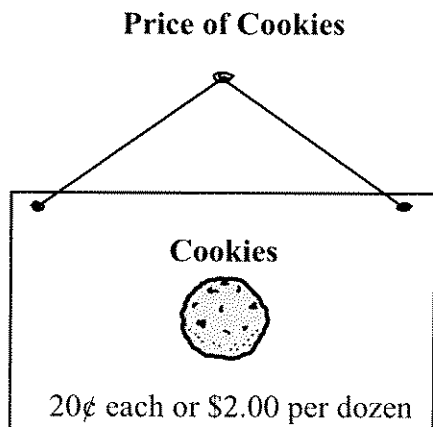
15. Use the coordinate grid below to answer the question.



Which point has the coordinates (2, 3)?

- A. point A
 - B. point B
 - C. point C
 - D. point D
16. What is the value of b when $b + 1.4 = 241$?
- A. 23.96
 - B. 227
 - C. 239.6
 - D. 240.86
17. Derek uses the distributive property to find 24×7 . Which statement describes how he could find 24×7 ?
- A. multiply 7 by 20, then add 4
 - B. multiply 7 by 4, then add 20
 - C. multiply 20 by 7, then add the product of 4 and 7
 - D. multiply 20 by 4, then add the product of 2 and 7

18. Use the picture below to answer the question.



Trisha wants to buy 1 dozen cookies (12 cookies). What is the difference in price between buying 12 cookies individually and buying them by the dozen?

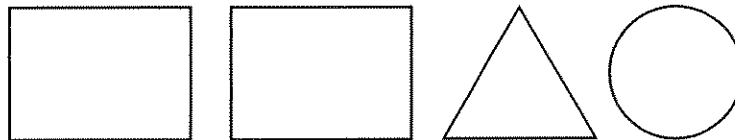
- A. \$0.20
 - B. \$0.40
 - C. \$1.00
 - D. \$1.20
19. Which numbers between 10 and 17 are prime?

- A. 11, 13
- B. 11, 13, 15
- C. 12, 14, 16
- D. 12, 15

20. A bag contains the 26 letters of the alphabet on individual tiles. What is the probability of randomly drawing an A or Z out of the bag?

- A. $\frac{1}{26}$
- B. $\frac{2}{26}$
- C. $\frac{2}{24}$
- D. $\frac{13}{26}$

21. Use the picture below to answer the question.

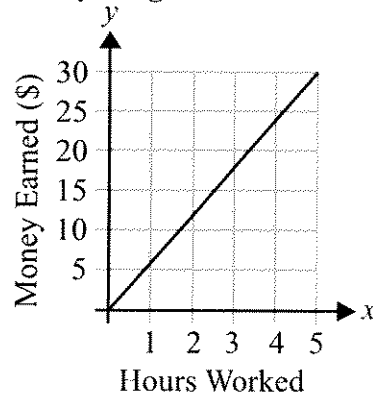


The 4 shapes are placed into a bag. Sam removes 2 of the shapes from the bag at the same time. Which outcome could NOT be the shapes Sam removed from the bag?

- A. triangle and circle
 - B. rectangle and rectangle
 - C. rectangle and circle
 - D. triangle and triangle
22. Jake uses 1.5 gallons of gasoline each hour he mows lawns. Which number shows the amount of gasoline he uses in 3.5 hours?
- A. 3.25
 - B. 3.50
 - C. 5.25
 - D. 5.50

23. Use the line graph below to answer the question.

Hourly Wages for Summer Jobs



Which table matches the information on the graph?

A. **Hourly Wages for Summer Jobs**

Hours Worked	1	2	3	4	5
Money Earned	\$6	\$12	\$18	\$24	\$30

B. **Hourly Wages for Summer Jobs**

Hours Worked	1	2	3	4	5
Money Earned	\$5	\$10	\$20	\$25	\$30

C. **Hourly Wages for Summer Jobs**

Hours Worked	1	2	3	4	5
Money Earned	\$5	\$10	\$15	\$20	\$25

D. **Hourly Wages for Summer Jobs**

Hours Worked	1	2	3	4	5
Money Earned	\$7	\$14	\$21	\$28	\$35

24. When $q = 3.5$, what is $8.5 - 4.3 - q$?
- A. 0.7
 - B. 1.3
 - C. 7.7
 - D. 9.3
25. The area of a square room is 16 square feet. What is the length and the width of the room?
- A. 4 feet and 4 feet
 - B. 6 feet and 2 feet
 - C. 8 feet and 2 feet
 - D. 10 feet and 6 feet
26. Which number is equivalent to 7.810?
- A. seven and eighty-one
 - B. seven and eight hundred ten
 - C. seven and eighty-one hundredths
 - D. seven and eighty-one thousandths
27. Use the equation below to answer the question.

$$(6 + 4) + 7 = 6 + (b + 7)$$

What value of b makes this equation correct?

- A. 1
- B. 4
- C. 10
- D. 17

