

Online Math Practice

Incoming 7th and 8th grade Standard & Advanced Math

Please access the following resources for ongoing review throughout the summer. The summer packets which are posted are taken directly from the Sadlier math series, so that site should be your primary resource. Remember, summer work is taken from the grade just completed so that skills are kept sharp for September.

- Go to <http://www.sadlierconnect.com/login.html>
- Type the zip code (08009) for our school in the Login box. Then select: Our Lady of Mt. Carmel School. Ignore the login and password boxes.
- On the lower right corner of the screen you will see Student & Family Resources. Click "Let's Go."
- Here you will see a list of available programs. You will be using Progress in Mathematics (Grades K-9) which is located in the right hand column; 5th one down. Click that program.
- You will find a list of the programs. Click on the appropriate selections and Explore the many topics and options!

7th grade standard: Progress in Mathematics, grade 6

7th grade advanced: Fundamentals of Algebra, grade 7

8th grade standard: Fundamentals of Algebra, grade 7

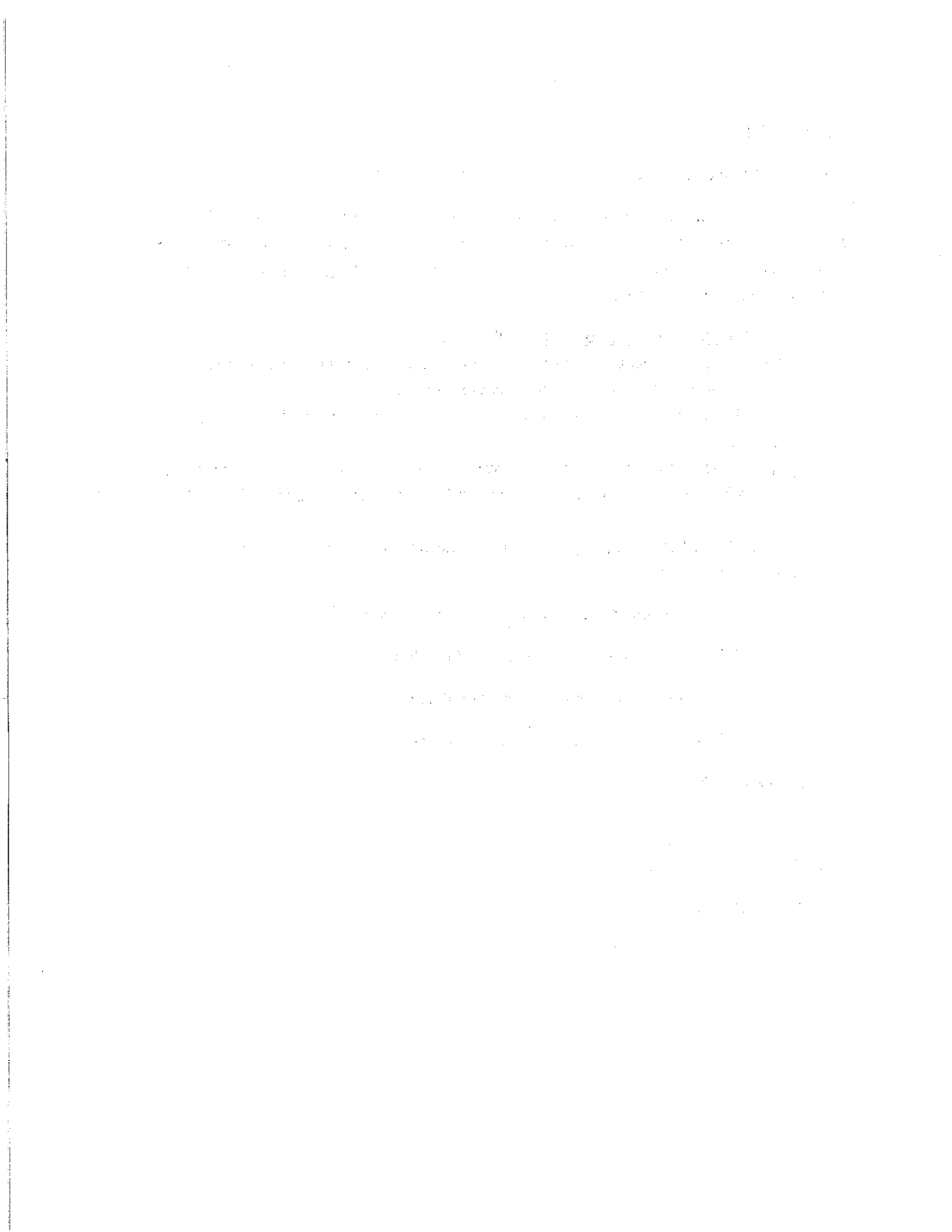
8th grade advanced: Foundations of Algebra, grade 8

Other site to consider:

ixl.com

mathplayground.com

khanacademy.org



Name Entering 7s

Choose the best answer.

1. Choose the number in standard form.

$$(8 \times 10^2) + (9 \times 10^0) + (3 \times 10^{-2})$$

6. Choose the order from least to greatest.

$$0.1311, 0.13, 0.131, 0.0811$$

2. Choose the product.

$$\begin{array}{r} 0.51 \\ \times 0.93 \\ \hline \end{array}$$

7. Choose the missing exponent.

$$3^d = 81$$

3. Choose the quotient.

$$3.5028 \div 0.07$$

8. Choose the scientific notation for 6,050,000.

4. Choose the expression. Joy buys packages of 12 hamburgers. She buys p packages in all. How many hamburgers does she buy?

9. Choose the value of the expression when $r = 0.35$ and $s = 4.06$.

$$15.9 - r + s$$

5. Choose the order from greatest to least.

$$+9, +13, -17, -30$$

10. Keith spent four times the amount Daryl spent on DVDs. Daryl spent \$40.59. How much did Keith spend on DVDs?



Choose the best answer.

11. Choose the product.

$$+6 \times -9 \times -11$$

16. Simplify.

$$5 + (50 - 2) \div 8 + (2.7 + 4)$$

12. Solve for k .

$$\frac{6}{15} = \frac{24}{k}$$

17. Solve for b .

$$-216 = -8b$$

13. Compare.

$$\frac{4}{5} \text{ ? } \frac{12}{15}$$

18. Choose the sum.

$$\frac{11}{20} + \frac{3}{5} + \frac{1}{2}$$

14. Solve for y to complete the prime factorization.

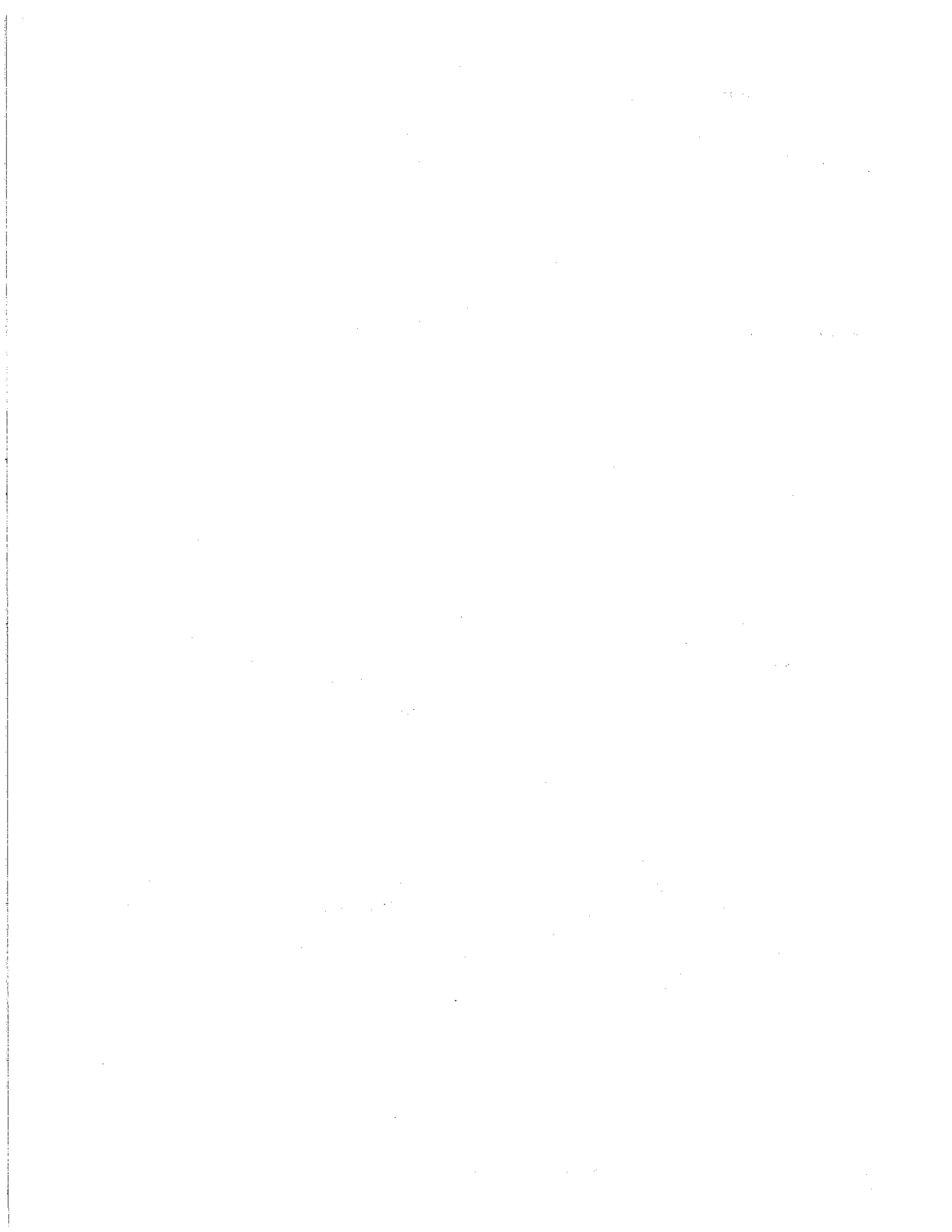
$$2^4 \times y = 80$$

19. Choose the difference.

$$13\frac{2}{6} - 9\frac{3}{4}$$

15. Aidan made $\frac{2}{3}$ cup of chocolate pudding, $\frac{3}{4}$ cup of vanilla pudding and some pistachio pudding. Aidan made $2\frac{1}{2}$ cups of pudding altogether. How many cups of pistachio pudding did Aidan make?

20. Choose the greatest common factor (GCF) and greatest common divisor (GCD) for 8, 24, and 32.

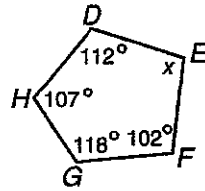


Choose the best answer.

21. Choose the product.

$$\frac{4}{5} \times 9 \times 25$$

26. Choose the value of the variable.



22. Which is a chord that passes through the center of a circle?

27. What type of angle is a 75° angle?

23. I compare two sets of data. Each set of data is graphed separately, but on the same grid. What type of graph am I?

28. Choose the sampling method used. Jen chooses one name from each page of the student directory.

24. Choose the value of x .

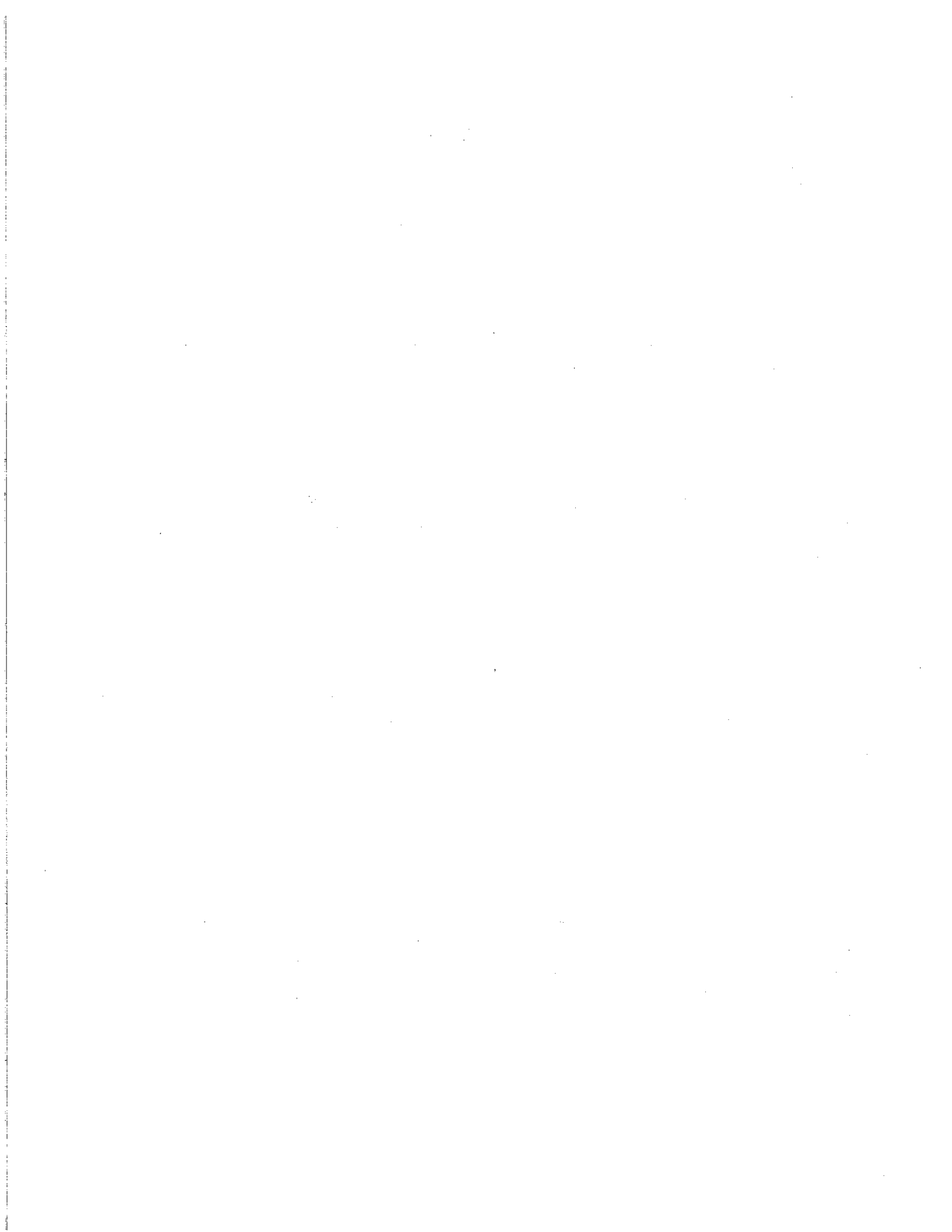
26 miles on 1 gallon
 x miles on 18 gallons

29. Compare.

$$\frac{1}{3} \div 3\frac{3}{10} \quad ? \quad \frac{2}{3} \div 6\frac{3}{5}$$

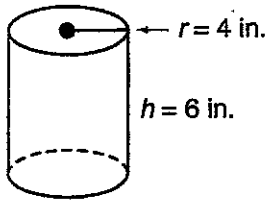
25. Andrea, Meryl, and Renee are going to the theatre. They want to sit together in the same row. How many different seating orders are possible?

30. The daily low temperatures for the month were 26°F , 24°F , 27°F , 31°F , 15°F , 30°F , and 28°F . Which temperature is the outlier?

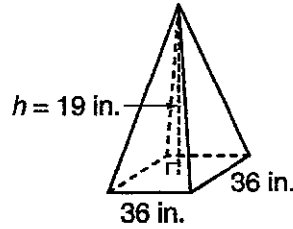


Choose the best answer.

31. Choose the volume.



36. Choose the volume.



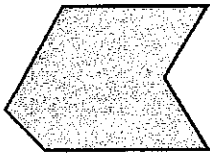
32. Choose the value of n .

$$9 : 4 = n : 72$$

37. Choose as a percent.

$$\frac{3}{5}$$

33. Describe the polygon.



38. Choose the value of t .

$$15 = \frac{7}{10}t + 9$$

34. Ann sold \$923 worth of clothes yesterday. Her rate of commission was 5%. What was her commission?

39. Fifteen more than -4 times a certain number is equal to -1 . What is the number?

35. The distance to Ty's locker from his sister's locker is no more than 8 meters. Ty knows that 1 meter \approx 3.3 feet. How many yards from his sister's locker is Ty's locker?

40. **Tell About It**

Solve. Explain how you solved the problem.

This year the price of a pair of sneakers is 106% of last year's price of \$78. What is the price this year?

