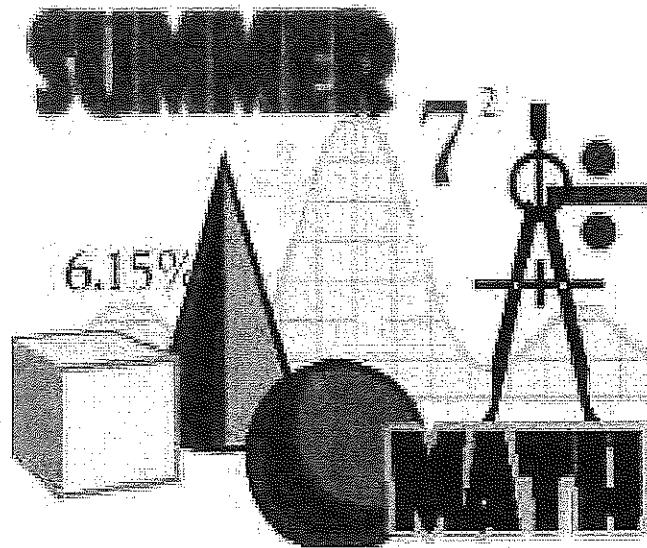


7th Grade Summer Math Packet 2025



6th Grade Math Teacher Name _____

Favorite Math Skill _____

What you look forward to learning in 7th Grade

****Packet must be turned in the first day of school!!****

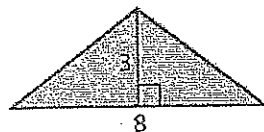
****Must show all work to receive credit!!****

Simplify the expression. Identify the properties used.

1. $4(x - 3)$

2. $(3 \cdot x) \cdot 7$

3. Use a formula to find the area of the figure.



4. Tickets to a basketball game cost \$4 for adults and \$2 for children. Write an expression that gives the total cost for a adults and c children to attend the game. What is the total cost for a family of 2 adults and 3 children to attend the game?

Perform the indicated operation.

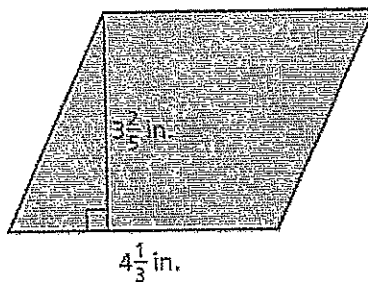
5. $\frac{7}{9} \times \frac{6}{5}$

6. $2\frac{1}{4} \div \frac{3}{8}$

7. 0.35×1.2

8. $0.25 \overline{)7.38}$

9. Find the area of the parallelogram.



Order the integers from least to greatest.

17. 7, 3, -2, -4, 5

18. -5, -1, 3, 0, -3

19. A twelve-pack of juice costs \$4.20. An eighteen-pack costs \$5.40. Which is the better buy?

Write the fraction or mixed number and a percent.

20. $\frac{3}{8}$

21. $\frac{6}{5}$

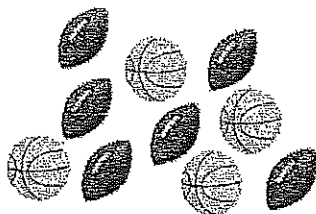
22. $3\frac{1}{4}$

23. Chris, Mary Beth, and Allison are discussing the number of oranges grown in Florida. Chris says that approximately 14.6% of the world's oranges are grown in Florida, Mary Beth says that 292 out of every 2000 oranges are grown in Florida, and Allison says that 0.146 of the world's oranges are grown in Florida. Are they in agreement? Explain your reasoning.

24. How many vertices does a triangular prism have?

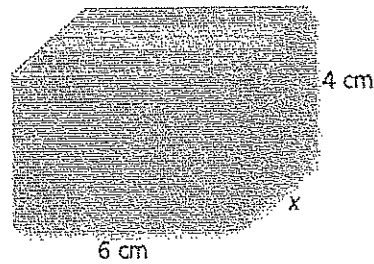
25. A pizza shop offers 30% off the price of a large pizza every Tuesday night. If the regular price is \$25, what is the discounted price?

26. Write the ratio of basketballs to footballs. Explain what the ratio means.



36. A farmer builds a fence to enclose a rectangular pasture. He uses 160 feet of fence. Find the total area of the pasture if it is 50 feet long.

37. Write and solve an equation to find the width of the box if its volume is 96 cubic centimeters. Then find its surface area.

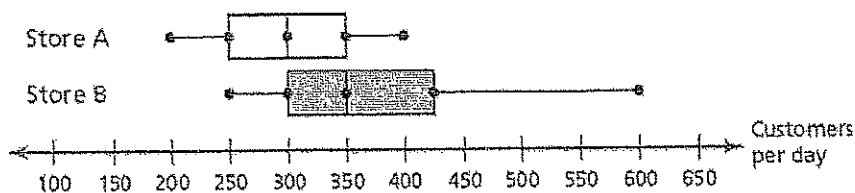


38. The prices of backpacks at a store are \$22, \$16, \$39, \$35, \$19, \$34, \$20, and \$26. Find the mean absolute deviation of the prices.

Write the word sentence as an inequality.

39. A number t is less than 7. 40. A number m is at least -3 .

Use the box-and-whisker plot to answer the question.



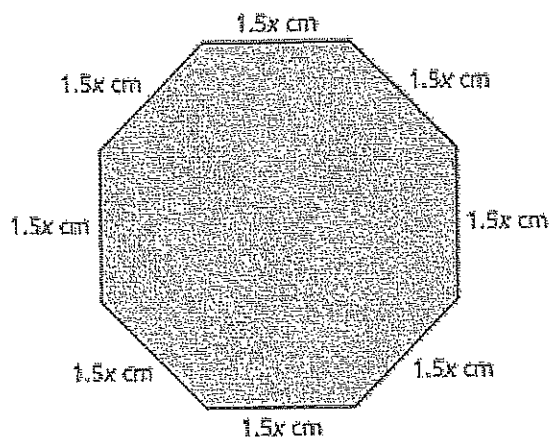
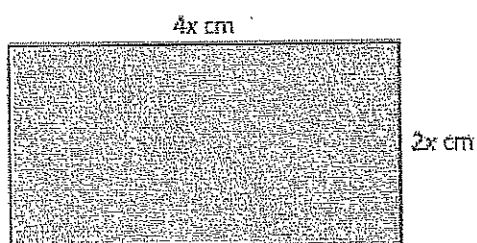
41. How often does Store A have 300 or less customers per day?

42. Which store has more customers?

Performance Tasks

Expressions and Equations

Use the rectangle and octagon below.

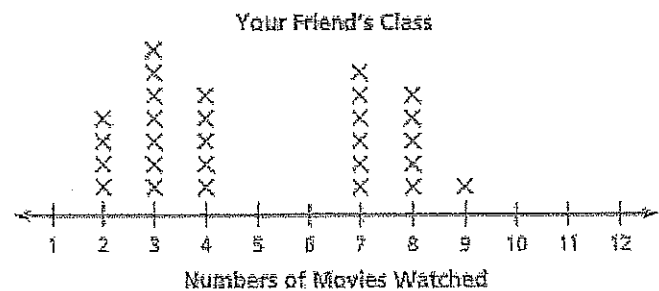
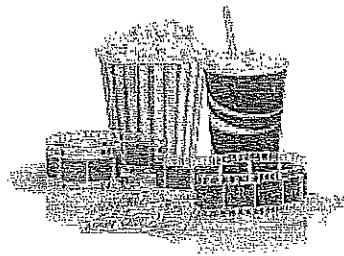
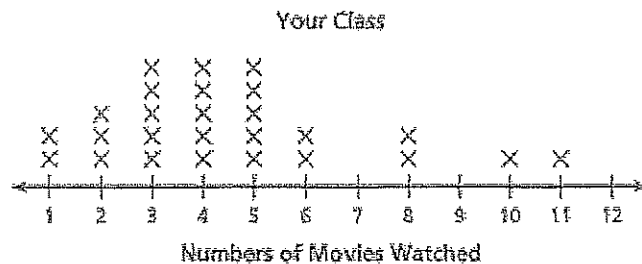


1. Write an expression for the perimeter of each figure.
2. Complete the table. What do you notice?

x	Perimeter of rectangle	Perimeter of octagon
1		
2		
3		
4		
5		
6		
7		
8		

Probability and Statistics

You want to know whether students in your class or your friend's class watch more movies every month. The line plots show the number of movies each student in your class and each student in your friend's class watched during the past month.



1. Compare the mean, median, and mode of the classes.
2. Which set of data do you think is more spread out? Explain.
3. Describe the distribution of the data for each class.
4. Overall, which students do you think watch more movies each month, your class or your friend's class? Explain your reasoning.