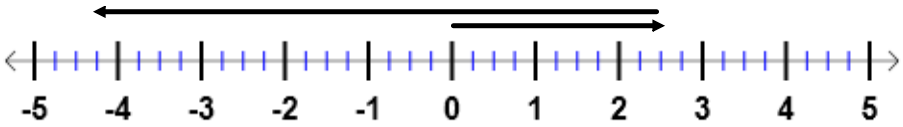
Weekly 15 CC8 Probability Name _____

MONDAY

(Review while teaching representative samples)

1. Write the fraction problem that is shown on the number line.

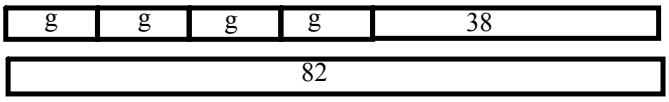
_____



2. What is the circumference of a circle with a radius of 16.4 inches? _____

3. Simplify the following. $5(3b - 7) + 4(2b^2 - 6b)$ _____

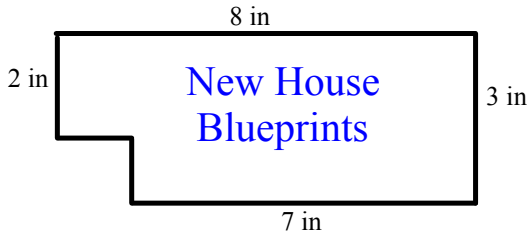
4. Solve for g. _____



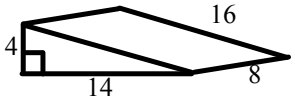
5. It took 54 minutes to write 9 thank you notes. How many notes can I write in 153 minutes? _____

6. On the blueprints of my new house, 1 inch = 6 feet.
Find the perimeter and area of my actual dining room

Perimeter _____ Area _____



7. Find the volume _____.



8. What would the volume be after a 5:1 scale change? _____

9. $7 - 4(2 - 10 \div 2) - 4^2 =$ _____

10. If 8 items cost $25.12, what is the unit rate? _____ and how many could I buy with $138.16? _____

TUESDAY

1. On three separate occasions I ordered 4 large pizzas and 2 medium pizzas. I know the cost of each medium pizza was $8 and my total for all three visits was $165. How much did each large pizza cost? _____
Write the equation used to solve. _____

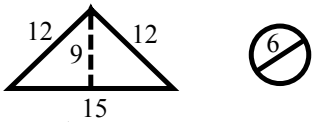
2. 15 fewer than the product of 6 and a number k is at least -45. Solve for k. _____ Graph the inequality.

3. Draw and label three different rectangles that would have an area of 48 square units.

4. A $780 motorcycle is on sale for 20% off. What is the sale price of the motorcycle? _____
How much will the motorcycle cost after a 9% sales tax? _____

5. On a map a 240 mile trip measured 6 centimeters. What was the simplified scale factor used for the map? _____
How many miles would 8.4 cm be? _____ How many cm would 68 miles be? _____

6. Find the difference between the area of the triangle and the circle.

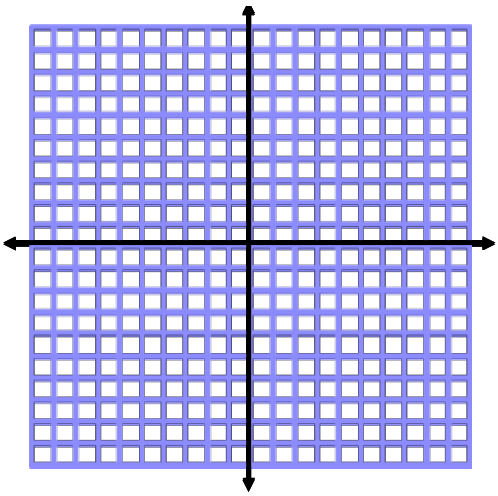


7. NO CALCULATOR Convert $14\frac{7}{8}$ to a decimal _____ and percent _____.

8. NAME EACH PROPERTY _____ $4 + p = p + 4$ _____ $19 + 0 = 19$
_____ $5 + (6 + 3) = (5 + 6) + 3$ _____ $7(2 + b) = 14 + 7b$

9. Fill in the formulas. Area of Circle _____ Area of Triangle _____ Area of Parallelogram _____
Circumference of Circle _____ Volume of Prism/Cylinder _____

WEDNESDAY

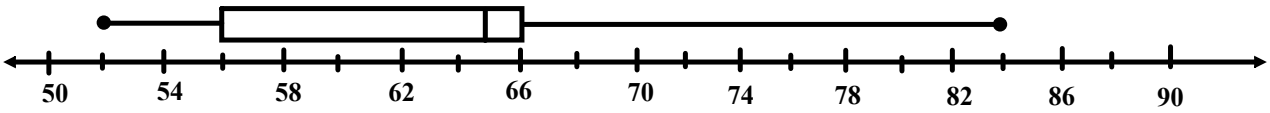


1. Harold rode his bike at a constant rate (proportional).
Harold rode 10 miles in 4 hours**.**
Find the unit rate _____
Write an equation for the relationship _____
Graph the relationship on the coordinate plane.
Find three more points that would be true relating miles and hours.
(,) and (,) and (,)

2. Graph y = 7x Is it proportional? _____

3. 52, 57, 63, 75, 81, 84, 84, 85, 87, 88, 88, 89, 90
Mean _____ Median _____ Mode _____ Spread _____
IQR _____ M.A.D _____

4. Use the Box and Whiskers (below) to answer. Median _____ IQR _____ Spread _____
What percent of the data values were between 52 and 66? _____
Write a data set containing 10 numbers that would make the shown (below) Box and Whiskers.
_____, _____, _____, _____, _____, _____, _____, _____, _____, _____,

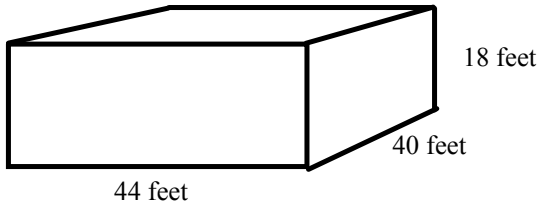


THURSDAY

1. _____ Find the M.A.D. of the following set 3, 8, 25, 28, 33.

2. Paint costs $18 per gallon and one gallon covers 270 square feet. How much will it cost to paint the side walls of the barn in the picture? _____

3. How much hay could you fit in the barn? (Volume) _____



4. 16 more than quadruple a number c is 5 fewer than the product of 10 and c.
Find c. _____

5. 66 is 35% of what number? _____

6. A proportional line goes through the point (-2, -6). Find the point for the unit rate. (,)
Write an equation for the line _____.

7. Fill in the table and find the constant of proportionality _____.

x	8.4	7.1	13
y	29.4	24.85	

8. 7 is to 25 as what is to 40? _____

9. List the 7 things about proportions that you should know.