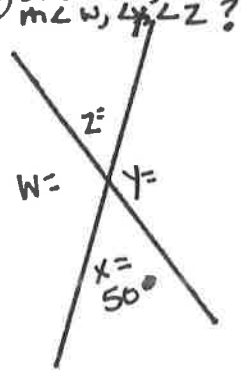
#23

Week # _____

Name: _____

Rotation: _____

Homeroom: _____

(1) Write 37% as a fraction: _____	(2) Add $\frac{7}{12} + \frac{11}{12}$ _____ Simplify and write in proper form.	(3) Write the fraction from #2 as a decimal. _____	(4) Subtract $14\frac{1}{7} - \frac{6}{7}$ _____
(5) If x = 50°, what are m∠w, ∠y, ∠z? 	(6) Two angles that sum to 180° are called _____.	(7) Classify the angle as acute, obtuse, straight or right,.. then name the complementary angle: m∠ 25° is _____ complement is _____	(8) Write 786,000 in scientific notation (hint: $C \times 10^n$)
(9) Evaluate the expression $2 \times 3^3 + (20-6) \div 7$ _____	(10) Calculate the perimeter of a rectangle with the given dimensions: l = 16 ft w = 3 ft P = _____	(11) Convert 32g = ? mg (Hint: KHDBdcm)	(12) Calculate the difference $10\frac{1}{4} - 4\frac{5}{6}$
(13) 10 is what percent of 45?	(14) Find the quotient $\frac{7}{8} \div \frac{1}{12}$	(15) Calculate the LCM of 15 and 21.	(16) Multiply (no calc.) 12.005 x 1.7

(17) Calculate the mean, median, mode and range of the data:

5, 6, 11, 11, 16, 18, 19, 21, 21, 23, 24, 29

Mean: _____

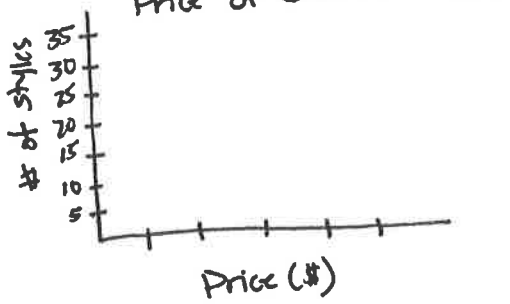
Median: _____

Mode: _____

Range: _____

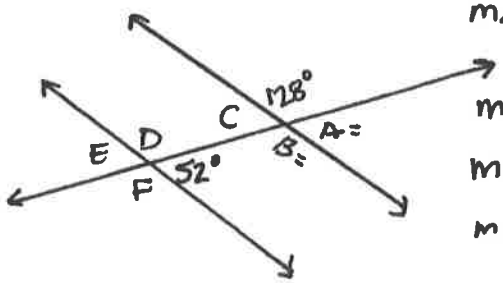
(18) The frequency table shows the price of shoes in a store. Fill out the histogram for the data:

Price	Amount of shoes
10-19	10
20-29	22
30-39	16
40-49	11
50-59	5



(19) One half of an orchestra plays brass instruments. The horn section makes up $\frac{1}{7}$ of the brass section. What fraction of the whole orchestra is in the horn section?

(20)



m∠A = _____

m∠B = _____

m∠C = _____

m∠D = _____

m∠E = _____

m∠F = _____

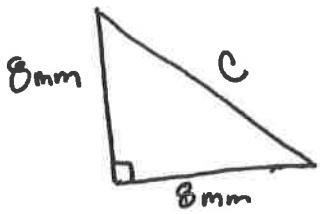
Challenge Questions:

(A) Evaluate when $z = 7$ and $m = (-2)$

$$\sqrt{z^2 + m^2 + 11}$$

(B) Use the pythagorean theorem ($A^2 + B^2 = C^2$) to calculate the unknown side length:

hint:



(C) Calculate the Circumference and area of the circle:

Area= _____

Circumference= _____

(D) A cat that knows the shake command offers one of its paws to shake. The table shows the results of an experiment:

Paw offered to shake:	
Left Paw	38
Right Paw	12

What is the probability that the cat will take the right paw when asked to shake?

p(right paw)= _____