PLACE VALUE CHARTER ANCHOR CHART

ď,	S	4	6,	2		5	•	6	5	8
Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones	Decimal Point	Tenths	Hundredths	Thousandths
106	10 ⁵	104	10 ³	10 ²	101	100		1/10	1/100	I/I,000
PLACE VALUE CHART TO THE MILLIONS										



<u>**Multiplying</u> by a Power of 10** $3.4 \times 10^2 = 340$ When multiplying, the product will become LARGER, so you need to shift the numbers to the LEFT and the decimal point to the RIGHT by the number of zeros in the power of 10.</u>

Dividing by a Power of 10 $3.4 \div 10^2 = .034$ When dividing, the product will become SMALLER, so you need to shift the numbers to the RIGHT and the decimal point to the LEFT by the number of zeros in the power of 10.





Less Ihan

9,346,215.658 Expanded Form

 $(9 \times 10^{6}) + (3 \times 10^{5}) + (4 \times 10^{4}) + (6 \times 10^{3}) + (2 \times 10^{2}) + (1 \times 10^{1}) + (5 \times 10^{0}) + (6 \times 1/10) + (5 \times 1/100) + (8 \times 1/1,000)$

Word Form

nine million, three hundred forty six thousand, two hundred fifteen and six hundred fifty eight thousandths

Comparing and Ordering Decimals

Step #1: Line up the numbers. Make sure to line them up according to their place value. Helpful Hint: Line up the decimal points! Step #2: Look at the largest place value (the left) and find the largest value. Step #3: Use <, >, and = to explain the relationship between the numbers



Step #I: I lined up my numbers!

Step #2: The numbers in the greatest place value, 3s are equal. So I need to look at the next place to the right. The 4s have the same value, so I continue on to the next place to the right. The 6 is greater than 5, so I know 34.66 is greater than 34.50!

DECIMALS COMPARING

Equal Io







()

28

98

168

GEOMETRY: Triangle ANCHOR CHART

Equilateral Triangle	<u>Equilateral</u> <u>Triangle</u> All sides are the same or equal.	Obtuse Triangle	<u>Obtuse</u> <u>Triangle</u> One obtuse angle.
Isosceles Triangle	<u>Isosceles</u> <u>Triangle</u> Two sides are the same or equal.	Acute Triangle	<u>Acute</u> <u>Triangle</u> All angles within the triangle are acute.
Scalene Triangle	<u>Scalene</u> <u>Triangle</u> NO sides are the same or equal.	Acute Angle	Obtuse Angle
Right Triangle	<u>Right</u> <u>Triangle</u> One 90° angle or right angle.	Right Angle	Perpendicular Lines Parallel Lines

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GEOMETRY: POLYGONS ANCHOR CHART

Parallelogram	<u>Parallelogram</u> *2 pairs parallel sides *a quadrilateral	Trapezoid	<u>Trapezoid</u> *l pair of parallel sides *2 sides equal length
Square	<u>Square</u> *4 <u>equal</u> sides *4 right angles *a rectangle *a quadrilateral *a rhombus *a parallelogram	Quadrilateral	<u>Quadrilateral</u> *4 sided shape *a square *a rectangles *a parallelogram *a rhombus
Rectangle	<u>Rectangle</u> *4 right angles *a parallelogram *2 pairs of opposite sides have equal length	Pentagon (5 sides)	Hexagon (6 sides)
Rhombus	<u>Rhombus</u> *parallelogram *4 sides equal length	Octagon (8 sides)	Decagon (10 sides)



GRAPHING ANCHOR CHART



PICTOGRAPH

A pictoral symbol that represents data. Each pair of eyes on this graph represents one child.

TALLY CHART

A tally chart displays tally marks to represent data. Usually, tally marks are recorded in groups of five, with the fifth tally mark diagonally crossing the others.





LINE PLOT

A line plot is a graph that displays x's to represent frequency or amount that the data occurs. This can be used to compare data and to find outliers.



CIRCLE GRAPH

A circle graph shows percentage of data out of 100. This graph is made by dividing a circle into sections to show a comparison of data.



LINE GRAPH

A line graph records data over time. The points are connected showing changes over time.

PRIME FACTORIZATION ANCHOR CHART





PROBLEM SOLVING ANCHOR CHART

NUMBERS

JNDERLINE

THE

QUESTION

BOX THE

_IMINATF

INFORMATION NOT NEEDED

FVALUATE

WHAT STEPS DO

YOU

NEED TO TAKE?

SOLVE AND SHOW

YOUR WORK

KEYWORDS

There were 15,428 magazines distributed by 210 trucks to different stores. If there were 38 stores all together, how many magazines went to each store?

I. <u>Circle the Numbers</u> The important numbers are 15,432 and 38.

2. Underline the Question

How many magazines went to each store?

3. Box the Keywords

The keywords are different since that tells me that I need to separate the magazines into different stores, all together because I know how many total stores there were, and each since there will be magazines sent to each store.

4. Eliminate and Evaluate

210 trucks can be eliminated since that information is not necessary to solve the problem. The large number of magazines needed to be divided to see how many magazines would go into each store.

5. <u>**&olve**</u> 15.428 + 38 = 406

CONVERSIONS ANCHOR CHART **CUSTOMARY MEASUREMEN** Weight Capacity <u>Length</u>

I CUP (C.)= 8 FLUID OUNCES (OZ.) |PINT (PT.) = 2 C. IQUART(QT.) = 2 PT.I GALLON (G.) = 4 QT.

I POUND (LB.)=I6 OUNCES (OZ.) I TON (T.) = 2,000 LB.

IFOOT (FT.)=I2 INCHES (IN.) IYARD(YD.) = 3 FT.**IMILE = 5,280 FT.**

METRIC MEASUREMENTS Capacity

ILITER (L.)=I,000 MILLILITERS (ML.)

I GRAM (G.)=I,000 MILLIGRAM (MG.) I,000 GRAMS (G.) = I KILOGRAM (KG.)

Weight



I METER (M.)=I,000 MILLIMETERS (MM.) I METER (M.)=100 CENTIMETERS (CM.) I CENTIMETER (CM.)=IO MILLIMETERS (MM.) I,000 METER (M.)=I KILOMETER (KM.)

Length

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PERIMETER (S+S+S+S) AREA (L×W) ANCHOR CHART VOLUME (L×W×H)



the <u>OUTSIDE</u> of an object. **PERIMETER of an IRREGULAR SHAPE**





Volume

The measurement of space <u>INSIDE</u> a solid shape.



 $(3 \times 5) \times 4 = ?$ 15 \times 4 = 60 units³

Cubic Units

The answer will be in cubic units because you multiply units x units x units. Your answer above 60 units.³