



General Problem Solving Strategies					Order of Operations														
<ul style="list-style-type: none">• Reread question for clarity• Draw a picture• Make a table• Circle or highlight key terms• Calculate and solve• See if my answer makes sense• Circle my answer					PEMDAS														
					1. Parentheses (brackets, etc.)														
					2. Exponents														
					3. Multiplication or Division (left to right)														
					4. Addition or Subtraction (left to right)														
Symbols					Divisibility Rules														
<p>$>$ is greater than</p> <p>$<$ is less than</p> <p>$=$ is equal to</p> <p>x = absolute value of x</p>					2	If the last digit is even													
					3	If the sum of the digits can be divided by 3													
					5	If the last digit is 0 or 5													
					6	If the number is divisible by both 2 and 3													
					9	If the sum of the digits can be divided by 9													
					10	If the last digit is 0													
Hundreds Chart																			
					1	2	3	4	5	6	7	8	9	10					
					11	12	13	14	15	16	17	18	19	20					
					21	22	23	24	25	26	27	28	29	30					
					31	32	33	34	35	36	37	38	39	40					
					41	42	43	44	45	46	47	48	49	50					
					51	52	53	54	55	56	57	58	59	60					
					61	62	63	64	65	66	67	68	69	70					
					71	72	73	74	75	76	77	78	79	80					
					81	82	83	84	85	86	87	88	89	90					
					91	92	93	94	95	96	97	98	99	100					
Number Line																			

***Only** for students who have this special access accommodation in their IEP: *Calculators or other mathematics tools: non-calculator section*. Information may be **removed** from this reference sheet; *nothing may be added*. Teachers **may not** complete the multiplication table; only the student may fill in information they need.



Place Value								
Whole Numbers						Decimals		
Hundred-thousands	Ten-thousands	Thousands	Hundreds	Tens	Ones	.	Tenths	Hundredths
Geometric Measurement					Percentages and Proportions			
Perimeter = <i>distance around</i> <i>P</i> = perimeter; <i>l</i> = length; <i>w</i> = width <u>Perimeter of Rectangle</u> : $P = 2l + 2w$					<ul style="list-style-type: none"> $\frac{\text{is}}{\text{of}} = \frac{\%}{100}$ $x\% = \frac{x}{100}$ if $\frac{a}{b} = \frac{c}{d}$, then $ad = bc$ 			
Statistics					Coordinate Plane			
<ul style="list-style-type: none"> me<u>A</u>n-Average <u>M</u>ode-Middle me<u>D</u>ian-Most Often <u>R</u>ang<u>E</u>-Least to Greatest 								
Properties					Fractions			
<ul style="list-style-type: none"> $a(b + c) = ab + ac$ $a + (b + c) = (a + b) + c$ $a \cdot (b \cdot c) = (a \cdot b) \cdot c$ $a \cdot b = b \cdot a$ $a + b = b + a$ 					<ul style="list-style-type: none"> $\frac{a}{b} + \frac{c}{d} = \frac{ad+bc}{bd}$ $\frac{a}{b} - \frac{c}{d} = \frac{ad-bc}{bd}$ $\frac{a}{b} \cdot \frac{c}{d} = \frac{ac}{bd}$ $\frac{a}{b} \div \frac{c}{d} = \frac{ad}{bc}$ 			

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Multiplication Table (DO NOT complete this table for the student.)

X	1	2	3	4	5	6	7	8	9	10	11	12
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

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