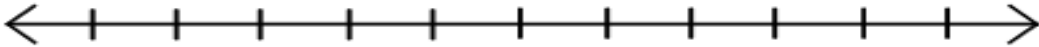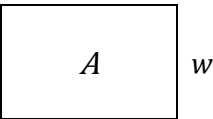**RICAS Grade 3**
Approved Supplemental Mathematics Reference Sheet*

General Problem Solving Strategies	Symbols
• 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	> is greater than < is less than = is equal to

Divisibility Rules	Order of Operations

2	If the last digit is even	**PEMDAS** • **P**arentheses (brackets, etc.) • **E**xponents • **M**ultiplication or **D**ivision (left to right) • **A**ddition or **S**ubtraction (left to right)
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	

Number Line

Place Value

Thousands	Hundreds	Tens	Ones

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| Hundreds Chart | | | | | | | | | | Formulas |

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

Formulas

Area (A) of Rectangle $A = l \times w$
($l = length; w = width$)

Perimeter of Rectangle: $P = l + l + w + w$

Area (A) Model

l

A w

Perimeter (P)
$P = distance\ around$

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

	1	2	3	4	5	6	7	8	9	10
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										

***Only** for students who have the special access accommodation *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.

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Fraction Bars (Do NOT complete this table for the student.)