

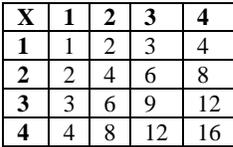
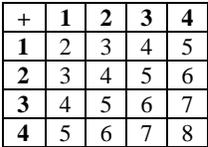
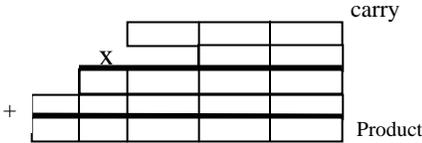
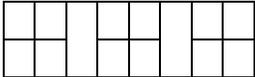
Explanation of Testing Accommodations for Students with Disabilities

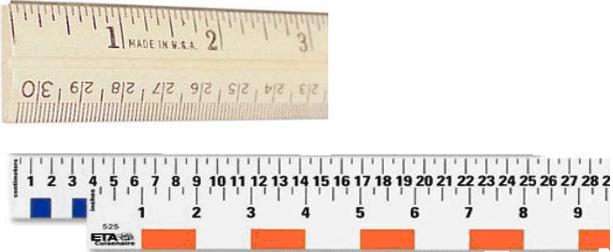
Math Aids – Accommodation Code 19

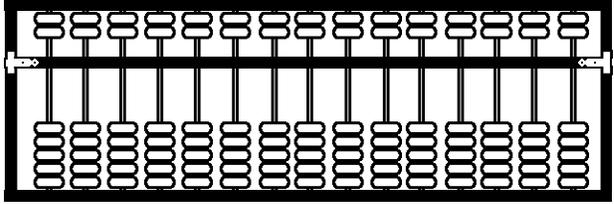
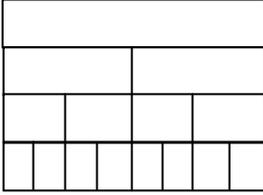
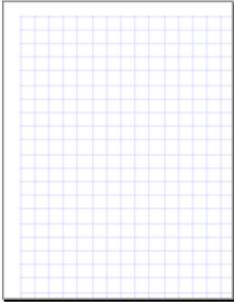
Accommodations provided as part of the instructional and testing/assessment process will allow students with disabilities equal opportunity to access the Standards of Learning (SOL) assessments. Accommodations based solely on the potential to enhance performance beyond providing equal access are not allowed.

Accommodations used on SOL assessments must be documented in the student’s Individualized Education Program/ 504 Plan and used in daily instruction. Using new or unfamiliar accommodations on an SOL test is inappropriate.

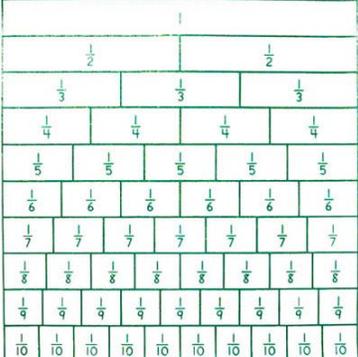
Allowed Math Aids

Examples of allowed math aids that may provide equal access to the SOL mathematics assessment for some students with disabilities.	Example/ explanation of the allowed accommodations.
Multiplication chart <i>Students allowed to use this accommodation must be found eligible by their IEP/504 teams using the calculator accommodation criteria (Testing Memo #720).</i>	
Addition Chart <i>Students allowed to use this accommodation must be found eligible by their IEP/504 teams using the calculator accommodation criteria (Testing Memo #720).</i>	
Blank worksheets that assist students in correctly lining up numbers when writing a math problem	
Grid Blocks Worksheets	
Number Line	
Counting Strip	

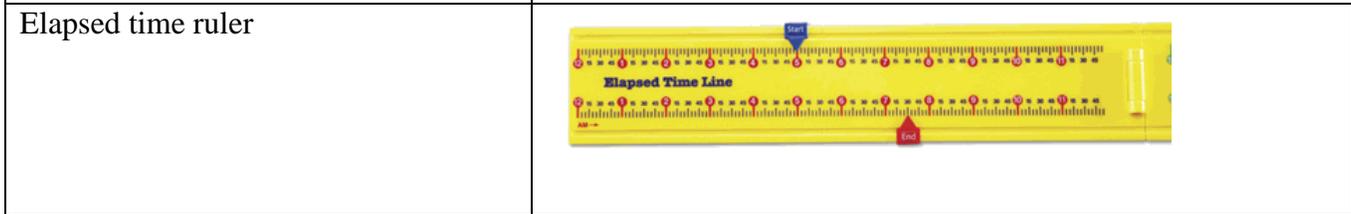
<p>Hundreds Chart</p>	
<p>12 inch ruler with centimeters</p>	
<p>Colored shapes</p>	
<p>Cuisenaire Rods</p>	
<p>Video magnifier (for visually impaired students)</p>	
<p>Multiplication Machine <i>Students allowed to use this accommodation must be found eligible by their IEP/504 teams using the calculator accommodation criteria (Testing Memo #720).</i></p>	

<p>Abacus</p>	
<p>Blank Fraction Bars</p>	
<p>Golf Balls</p>	
<p>Graph paper</p>	
<p>Fraction circles</p>	

Math Aids Not Allowed

<p>Examples of math aids that have the potential to enhance performance beyond providing equal access and are <u>not</u> allowed for SOL mathematics assessments.</p>	<p>Example/ explanation of math aids that are <u>not</u> allowed.</p>	
<p>Place Value Chart</p>		
<p>Fraction Chart</p>		
<p>Problem solving key words charts</p>	<p>Addition</p>	<p>increased by more than combined, together total of sum added to</p>
<p>Measurement Conversion Charts</p>	<p>Subtraction</p>	<p>decreased by minus, less difference between/of less than, fewer than</p>
<p>Measurement Conversion Charts</p>		

Celsius °C	Fahrenheit °F
-30 °C	-22 °F
-20 °C	-4.0 °F
-10 °C	14.0 °F
0 °C	32.0 °F
1 °C	33.8 °F
2 °C	35.6 °F



AREA

Formulas

RECTANGLE
 $A = bh$



TRIANGLE
 $A = \frac{1}{2}bh$



TRAPEZOID
 $A = \frac{1}{2}h(b_1 + b_2)$



SQUARE
 $A = s^2$



Mathematics Symbols



ROUNDING RULES FOR WHOLE NUMBERS

1. Underline place value asked for.
2. Circle number to the right of underlined number.
3. If circled number is 5 or more, the underlined number goes up 1.
4. If circled number is less than 5, the underlined number stays the same.
5. All numbers behind the underlined number, change to 0's.

Examples:

3, 256 (to nearest thousand) → 3,000

5, 629 (to nearest ten) → 5,630

Clocks



Coins, bills (real and play money)



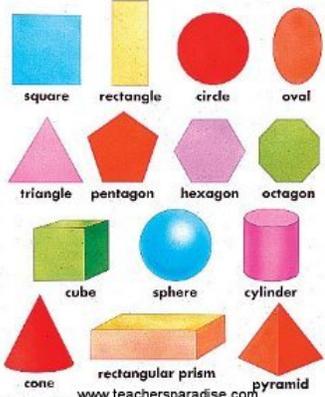
Vocabulary Charts

Word	Definition
Acute angle	An angle that measures between 0 and 90 degrees
Acute triangle	All angles in the triangle are acute
Adjacent angles	Two coplanar angles with a common side, a common vertex, and no common interior points
Angle	The shape formed by two rays (called sides of the angle) with the same endpoint (called the vertex of the angle). In geometry an angle can be defined by the vertex or by the rays and vertex.
Angle bisector	A ray that divides an angle into two congruent (equal) angles
Arc	Part of a circle

Tables of Measures

from \ to	= __ feet	= __ inches	= __ miles	= __ yards
foot		12	1/5280	1/3
inch	1/12		1/63360	1/36
mile	5280	63360		1760
yard	3	36	1/1760	

<p>Time conversion charts</p>	<div style="border: 1px solid black; padding: 5px;"> <p>Time</p> <p>1 minute = 60 seconds</p> <p>1 hour = 60 minutes = 3600 seconds</p> <p>1 day = 24 hours</p> <p>1 week = 7 days</p> <p>1 year = 365 1/4 days (for the Earth to travel once around the sun)</p> </div>
<p>Charts that demonstrate how a mathematics problem is solved</p>	<p>SOLVING WORD PROBLEMS</p> <div style="border: 1px solid black; padding: 5px;"> <ol style="list-style-type: none"> 1. Read the problem carefully. 2. Cross out unnecessary information. 3. Show your work. Don't do it in your head. 4. Don't erase your mistakes. Cross out errors instead. 5. Re-read your problem and check your answers. 6. Draw a picture that illustrates the problem. 7. Write in your own words how you got your answer. </div>
<p>Gallon Man</p>	
<p>Set of weights</p>	
<p>Base 10 Blocks</p>	
<p>Scissors</p>	

<p>Money Equivalency Chart</p>											
<p>Time Equivalency Chart</p>	<p>Time 1 minute (min) = 60 seconds (sec) 1 hour (hr) = 60 min 1 day = 24 hr 1 week = 7 days 1 year = 12 months = 365 days</p>										
<p>Tally Mark Chart</p>	<table border="0"> <tr> <td> = 1</td> <td> = 6</td> </tr> <tr> <td> = 2</td> <td> = 7</td> </tr> <tr> <td> = 3</td> <td> = 8</td> </tr> <tr> <td> = 4</td> <td> = 9</td> </tr> <tr> <td> = 5</td> <td> = 10</td> </tr> </table>	= 1	= 6	= 2	= 7	= 3	= 8	= 4	= 9	= 5	= 10
= 1	= 6										
= 2	= 7										
= 3	= 8										
= 4	= 9										
= 5	= 10										
<p>Shape Chart</p>	<p>Geometric Shapes</p>  <p>www.teachersparadise.com</p>										