Intermediate Math Skills Checklist

Numbers and Operations in Base 10			
Skill			**Notes**
Counts to 120 by 1s, starting from any number	☐ Y	☐ N	☐ N/A	
Count within 1000	☐ Y	☐ N	☐ N/A	
Can skip count within 1000 by 5s, 10s or 100s, starting from any number	☐ Y	☐ N	☐ N/A	
Can break apart any two digit number into tens and ones (e.g., 53 is 5 tens and 3 ones)	☐ Y	☐ N	☐ N/A	
Can break apart any three digit number into hundreds, tens, and ones (e.g., 825 is 8 hundreds, 2 tens, and 5 ones)	☐ Y	☐ N	☐ N/A	
Adds within 20	☐ Y	☐ N	☐ N/A	
Subtracts within 20	☐ Y	☐ N	☐ N/A	
Adds a one digit number to a two digit number without regrouping	☐ Y	☐ N	☐ N/A	
Adds a one digit number to a two digit number with regrouping	☐ Y	☐ N	☐ N/A	
Subtracts a one digit number from a two digit number without borrowing	☐ Y	☐ N	☐ N/A	
Subtracts a one digit number from a two digit number with borrowing	☐ Y	☐ N	☐ N/A	
Adds numbers within 100	☐ Y	☐ N	☐ N/A	
Subtracts within 100	☐ Y	☐ N	☐ N/A	
Compares two digit numbers using >, <, or =	☐ Y	☐ N	☐ N/A	
Compares three digit numbers using >, <, or =	☐ Y	☐ N	☐ N/A	
Mentally finds 10 more or 10 less than a given two-digit number	☐ Y	☐ N	☐ N/A	
Operations and Algebraic Thinking			
Skill			**Notes**
Adds together 3 whole numbers within 20	☐ Y	☐ N	☐ N/A	
Adds together 3 whole numbers within 100	☐ Y	☐ N	☐ N/A	

Skill		Notes
Solves problems with unknown start within 20 (e.g., ___ + 6 = 19 or ___ - 8 = 5)	☐ Y ☐ N ☐ N/A	
Solves problems with unknown start within 100 (e.g., ___ + 10 = 23 or ___ - 18 = 35)	☐ Y ☐ N ☐ N/A	
Solves problems with unknown change within 20 (e.g., 9 - ___ = 2 or 12 + ____ = 17)	☐ Y ☐ N ☐ N/A	
Solves problems with unknown change within 100 (e.g., 81 - ___ = 43 or 62 + ____ = 97)	☐ Y ☐ N ☐ N/A	
Add and subtract fluently within 20 using mental strategies	☐ Y ☐ N ☐ N/A	
Add and subtract fluently within 30 using mental strategies	☐ Y ☐ N ☐ N/A	
Solves a one-step word problem involving addition or subtraction	☐ Y ☐ N ☐ N/A	
Solves a two-step word problem involving addition or subtraction	☐ Y ☐ N ☐ N/A	
Determines whether a number is odd or even	☐ Y ☐ N ☐ N/A	
Measurement and Data		
Skill		Notes
Orders three objects by length	☐ Y ☐ N ☐ N/A	
Measures length of an object using tools like a ruler, yard stick, etc.	☐ Y ☐ N ☐ N/A	
Measures and describes the length of an object using inches, feet, yards, centimeters, or meters	☐ Y ☐ N ☐ N/A	
Tells time to the hour on an analog clock	☐ Y ☐ N ☐ N/A	
Tells time to the half hour on an analog clock	☐ Y ☐ N ☐ N/A	
Tells time to the quarter hour on an analog clock	☐ Y ☐ N ☐ N/A	
Tells time to the five minute on an analog clock	☐ Y ☐ N ☐ N/A	
Tells time to the minute on an analog clock	☐ Y ☐ N ☐ N/A	

Counts a collection of mixed coins accurately up to $.99	☐ Y ☐ N ☐ N/A	
Accurately reads bar and line graphs to determine data points	☐ Y ☐ N ☐ N/A	
Creates a bar graph or pictograph given a set of 3 data points and a labeled axis	☐ Y ☐ N ☐ N/A	

Geometry		
Skill		Notes
Name two-dimensional shapes (list)	☐ Y ☐ N ☐ N/A	
Name three-dimensional shapes (list)	☐ Y ☐ N ☐ N/A	
Identifies the number of sides in different shapes	☐ Y ☐ N ☐ N/A	
Identifies the number of vertices in different shapes	☐ Y ☐ N ☐ N/A	
Uses a combination of shapes to create a new shape/composite shape (e.g., use a rectangle and two triangles to make a rhombus)	☐ Y ☐ N ☐ N/A	
Partition circles or rectangles into two equal shares	☐ Y ☐ N ☐ N/A	
Partition circles and rectangles into four equal shares	☐ Y ☐ N ☐ N/A	
Identify half of a shape	☐ Y ☐ N ☐ N/A	
Identify a fourth of a shape	☐ Y ☐ N ☐ N/A	

Other Pertinent Math Skills Not Listed: