

Appendix A

Grade 6 Outcomes Checklist

C - Covered

A - Achieved

Grade 6 GCOs – A1-A11		C	A	Comments
A1	represent, estimate, and order numbers to billions using fraction and decimal notation			
A2	represent, compare and order fractions and decimals			
A3	write and interpret ratios, comparing part-to-part and part-to-whole			
A4	demonstrate an understanding of equivalent ratios			
A5	demonstrate an understanding of the concept of percent as a ratio			
A6	demonstrate an understanding of the meaning of a negative integer			
A7	read and write whole numbers to billions using standard and expanded forms			
A8	demonstrate an understanding of the place value system			
A9	relate fractional and decimal forms of numbers			
A10	determine factors and greatest common factors of two numbers			
A11	distinguish between prime and composite numbers			

Grade 6 GCOs – B1-B12		C	A	Comments
B1	compute products of whole numbers and decimals to thousandths			
B2	model and calculate the products of two decimal numbers			
B3	compute quotients of whole numbers and decimals using up to 2-digit whole number divisors			
B4	model and calculate the quotients of two decimals up to 2-digit divisors			
B5	add and subtract simple fractions using models			
B6	demonstrate an understanding of the function nature of input-output situations			
B7	solve and create relevant addition, subtraction, multiplication, and division problems involving whole numbers			
B8	solve and create relevant addition, subtraction, multiplication, and division problems involving decimals			
B9	estimate products and quotients involving whole numbers only, whole numbers and decimals, and decimals only			
B10	divide numbers by 0.1, 0.01, and 0.001 mentally			
B11	calculate sums and differences in relevant contexts by using the most appropriate method			
B12	calculate products and quotients in relevant contexts by using the most appropriate method			

Grade 6 GCOs – C1-C9		C	A	Comments
C1	solve problems involving patterns			
C2	use patterns to explore division by 0.1, 0.01, and 0.001			
C3	recognize and explain how changes in base or height affect areas of rectangles, parallelograms and triangles			
C4	recognize and explain how changes in height, depth or length affect volumes of rectangular prisms			
C5	recognize and explain how a change in one term of a ratio affects the other term			
C6	represent equivalent ratios using tables and graphs			
C7	represent square and triangular numbers concretely, pictorially and symbolically			
C8	solve simple linear equations using open frames			
C9	demonstrate an understanding of the use of letters to replace open frames			

Grade 6 GCOs – D1-D9		C	A	Comments
D1	use the relationship among particular SI units to compare objects			
D2	describe mass measurement in tones			
D3	demonstrate an understanding of the relationship between capacity and volume			
D4	estimate and measure angles using a protractor			
D5	draw angles of a given size			
D6	solve measurement problems involving length, capacity, area, volume, mass, and time			
D7	demonstrate an understanding of the relationships among the bases, heights, and areas of parallelograms and use this relationship to solve problems			
D8	demonstrate an understanding of the relationship between the area of a triangle and the area of a related parallelogram and use this relationship to solve problems			
D9	demonstrate an understanding of the relationship between the three dimensions of rectangular prisms and volume and surface area and use these relationships to solve problems			

Grade 6 GCOs – E1-E10		C	A	Comments
E1	describe and represent the various cross-sections of cones, cylinders, pyramids, and prisms			
E2	make and interpret orthographic drawings of 3-D shapes made with cubes			
E3	make and apply generalizations about the sum of the angles in triangles and quadrilaterals			
E4	make and apply generalizations about the diagonal properties of trapezoids, kites, parallelogram, and rhombi			
E5	sort the members of the quadrilateral “family” under property headings			
E6	recognize, name, describe, and represent similar figures			
E7	make generalizations about the planes of symmetry of 3-D shapes			
E8	make generalizations about the rotational symmetry property of all members of the quadrilateral “family” and of regular polygons			
E9	recognize and represent dilatation images of 2-D figures and connect to similar figures			
E10	predict and represent the result of combining transformations			

Grade 6 GCOs – F1-F9		C	A	Comments
F1	choose and evaluate appropriate samples for data collections			
F2	identify various types of data sources			
F3	plot coordinates in four quadrants			
F4	use bar graphs, double bar graphs, and stem-and-leaf plots to display data			
F5	use circle graphs to represent proportions			
F6	interpret data represented in scatterplots			
F7	make inferences from data displays including bar graphs, double bar graphs and stem-and-leaf plots			
F8	demonstrate an understanding of the difference between mean, median, and mode			
F9	explore relevant issues for which data collection assists in reaching conclusions			

Grade 6 GCOs – G1-G5		C	A	Comments
G1	conduct simple simulations to determine probabilities			
G2	evaluate the reliability of sampling results			
G3	analyze simple probabilistic claims			
G4	determine theoretical probabilities			
G5	identify events that might be associated with a particular theoretical probability			

