

# Everyday Mathematics

## Grade 4

OA = Oral Assessment  
SA = Slate Assessment  
AA = Alternative Assessment  
WA = Written Assessment

<b>Unit 1</b>		
<b>Naming and Constructing Geometric Figures</b>		
<b>Time to complete: 12 days</b>		
<b>Secure Goals</b>	<b>GLEs</b>	<b>Assessment</b>
	1.3.1	OA 2;, SA 2,3;, W 4-6
Name, draw, and label angles, triangles, and quadrangles	1.3.1	SA 4;, WA 3, 9
Identify and describe right angles and parallel lines and line segments	1.3.1	OA 1,2;, SA 2-4; WA 3, 4, 9
Solve addition and subtraction facts		SA 1, Timed Fact Inventory
<b>Developing Goals</b>	<b>GLEs</b>	<b>Assessment</b>
Identify properties of polygons	1.3.1	OA 1; W 2,7,8;
Classify quadrangles according to side and angle properties	1.3.1	OA 1; WA 1,3,7,8
<b>Beginning Goals</b>	<b>GLEs</b>	<b>Assessment</b>
Use a compass and straightedge to construct geometric figures		Alternative Assessment Option

<b>Unit 2</b>		
<b>Using Numbers and Organizing Data</b>		
<b>Time to complete: 13 days</b>		
<b>Secure Goals</b>	<b>GLEs</b>	<b>Assessment</b>
Use the statistical landmarks maximum and minimum		WA 8, 9
Have a successful strategy for subtracting multidigit numbers		SA 4; WA 5-7; Alternative Assessment
Have a successful strategy for adding multidigit		WA 2-4; Alternative Assessment

## Everyday Mathematics

numbers		
Read and write numerals to hundred-millions; give the value of the digits in numerals to hundred-millions		OA 1,2 ; SA 2, 3
Give equivalent names for numbers		SA 1; WA 1; Alternative Assessment Option
<b>Developing Goals</b>	<b>GLEs</b>	<b>Assessment</b>
Display data with a line plot, bar graph, or tally chart		WA 14
Use the statistical landmarks median, mode, and range		WA 10-13
<b>Beginning Goals</b>	<b>GLEs</b>	<b>Assessment</b>

### Unit 3 Multiplication and Division; Number Sentences and Algebra

**Time to complete: 15 days**

<b>Secure Goals</b>	<b>GLEs</b>	<b>Assessment</b>
Solve basic multiplication facts		SA 1; WA 1,4, 6-11, 13, 17, 19, 23
Understand the relationship between multiplication and division		SA 3; WA 1-3
<b>Developing Goals</b>	<b>GLEs</b>	<b>Assessment</b>
Solve open sentences		WA 18-23
Insert parentheses to make true number sentences; solve problems with parentheses		WA 8-17
Determine whether number sentences are true or false		OA 1; WA 4-9
Use and explain strategies for solving addition and subtraction number stories		WA 24-27
Use a map scale to estimate distances		SA 2; WA 28, 29
Solve basic division facts		SA 1; WA 2, 3, 6, 9, 12, 13, 15, 20, 21
<b>Beginning Goals</b>	<b>GLEs</b>	<b>Assessment</b>

## Everyday Mathematics

<b>Unit 4</b>		
<b>Decimals and Their Uses</b>		
<b>Time to complete: 14 days</b>		
<b>Secure Goals</b>	<b>GLEs</b>	<b>Assessment</b>
Draw and measure line segments to the nearest centimeter		WA 7; Alternative Assessment Option
Use dollars-and-cents notations		SA 2,3; WA 5, 22; Alternative Assessment
<b>Developing Goals</b>	<b>GLEs</b>	<b>Assessment</b>
Express metric measures with decimals		SA 4; WA 3, 4, 8, 9, 19
Convert between metric measures		SA 4; WA 17-20
Read and write decimals to thousandths		OA 2; SA 1, 4, 5; WA 1, 2
Compare and order decimals		WA 1, 2, 6, 12-16
Draw and measure line segments to the nearest millimeter		WA 8-11
Use personal references to estimate lengths in metric units		WA 3, 4; Alternative Assessment Option
Solve 1- and 2-place decimal addition and subtraction problems and number stories		OA 1; SA 3, 5; WA 14, 15, 21, 22; Alternative Assessment Option
<b>Beginning Goals</b>	<b>GLEs</b>	<b>Assessment</b>

<b>Unit 5</b>		
<b>Big Numbers, Estimation, and Computation</b>		
<b>Time to complete: 15 days</b>		
<b>Secure Goals</b>	<b>GLEs</b>	<b>Assessment</b>
Compare large numbers		
Estimate sums		
<b>Developing Goals</b>	<b>GLEs</b>	<b>Assessment</b>
Solve extended multiplication facts		WA 3, 4, 13, 14
Make magnitude estimates for products of multidigit numbers		OA 2; WA 2, 19; Alternative Assessment

## Everyday Mathematics

Solve multidigit multiplication problems		SA 3; WA 15-19; Alternative Assessment
Round whole numbers to a given place		SA 4; WA 6-8
Read and write numbers to billions; name the values of digits in numerals to billions		OA 1; SA 1, 2
<b>Beginning Goals</b>	<b>GLEs</b>	<b>Assessment</b>
Use exponential notation to represent powers of 10		SA 5; WA 12

### Unit 6

#### Division; Map Reference Frames; Measures of Angles

**Time to complete: 14 days**

<b>Secure Goals</b>	<b>GLEs</b>	<b>Assessment</b>
<b>Developing Goals</b>	<b>GLEs</b>	<b>Assessment</b>
Have a successful strategy for solving whole-number division problems		WA 8-10; Alternative Assessment Option
Express the remainder of a whole-number division problem as a fraction and the answer as a mixed number		WA 8, 10
Interpret the remainder in division problems		WA 12, 14, 15
Name and locate points specified by ordered number pairs on a coordinate grid		WA 11
Identify acute, right, obtuse, straight, and reflex angles		SA 1; WA 1-3, 7
Make turns and fractions of turns; relate turns and angles		OA 1, 2
Use a circular protractor and a half-circle protractor to measure and draw angles		WA 1-6; Alternative Assessment Option
Use and explain strategies for solving multiplication and division number stories		WA 12-16; Alternative Assessment Option
<b>Beginning Goals</b>	<b>GLEs</b>	<b>Assessment</b>
Identify locations on Earth		SA 2, 3

## Everyday Mathematics

for which latitude and longitude are given; find latitude and longitude for given locations		
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### Unit 7

#### Fractions and Their Uses; Chance and Probability

**Time to complete: 16 days**

Secure Goals	GLEs	Assessment
Identify the whole for fractions		WA 11-13
Identify fractional parts of a collection of objects		SA 3; WA 13
Identify fractional parts of regions		SA 4; WA 11, 12, 14, 16
Developing Goals	GLEs	Assessment
Rename fractions with denominators of 10 and 100 as decimals		SA 2
Apply basic vocabulary and concepts associated with chance events		<b>WA 14, 15</b>
Compare and order fractions		OA 1; WA 5-10
Find fractions equivalent to a given fraction		OA 2; WA 1-4, 7; Alternative Assessment
Beginning Goals	GLEs	Assessment
Add and subtract fractions		SA 1; WA 16; Alternative Assessment

### Unit 8

#### Perimeter and Area

**Time to complete: 12 days**

Secure Goals	GLEs	Assessment
Developing Goals	GLEs	Assessment
Use formulas to find area of rectangles, parallelograms, and triangles		OA 1; WA 3-7; Alternative Assessment Option
Find the perimeter of a polygon		OA 1; WA 1, 3-5, 9; Alternative Assessment
Estimate the area of a figure by counting unit squares		OA 1; WA 2, 11

## Everyday Mathematics

and fractions of unit squares inside the figure		
<b>Beginning Goals</b>	<b>GLEs</b>	<b>Assessment</b>
Make and interpret scale drawings		SA 1; WA 8-11

### Unit 9 Percents

**Time to complete: 13 days**

Secure Goals	GLEs	Assessment
Give equivalencies between hundredths-fractions, decimals and percents		SA 3; WA 2
Use a calculator to rename any fractions as a decimal or percent		WA 4, 5
Developing Goals	GLEs	Assessment
Find a percent or a fraction of a number		SA 1; WA 6-8; Alternative Assessment Option
Give equivalencies between "easy" fractions (fourths, fifths, and tenths), decimals, and percents		SA 2; WA 1, 3, 6
Beginning Goals	GLEs	Assessment
Use an estimation strategy to divide decimals by whole numbers		OA 1; WA 12-14; Alternative Assessment
Use an estimation strategy to multiply decimals by whole numbers		OA 2; WA 9-11; Alternative Assessment

### Unit 10 Reflections and Symmetry

**Time to complete: 10 days**

Secure Goals	GLEs	Assessment
Use a transparent mirror to draw the reflection of a figure		WA 8,9
Identify lines of symmetry, lines of reflection, reflected figures, and figures with line symmetry		OA 2; WA 1-5; Alternative Assessment Option

## Everyday Mathematics

<b>Developing Goals</b>	<b>GLEs</b>	<b>Assessment</b>
Translate figures		WA 6
<b>Beginning Goals</b>	<b>GLEs</b>	<b>Assessment</b>
Add integers		SA 1; WA 10
Rotate figures		OA 1; WA 7

### Unit 11 3-D Shapes, Weight, Volume, and Capacity

**Time to complete: 11 days**

<b>Secure Goals</b>	<b>GLEs</b>	<b>Assessment</b>
<b>Developing Goals</b>	<b>GLEs</b>	<b>Assessment</b>
Add positive and negative integers		SA 1; WA 8
Estimate the weight of objects in ounces or grams; weigh objects in ounces or grams		OA 1; WA 10
Solve cube-stacking volume problems		OA 2; WA 6
Describe properties of geometric solids		WA 1-5
<b>Beginning Goals</b>	<b>GLEs</b>	<b>Assessment</b>
Use a formula to calculate the volume of rectangular prisms		WA 7; Alternative Assessment Option
Subtract positive and negative integers		SA 1; WA 9

### Unit 12 Rates

**Time to complete: 10 days**

<b>Secure Goals</b>	<b>GLEs</b>	<b>Assessment</b>
Solve rate problems, using rate tables as necessary		SA 1, 2; WA 2b, 3, 6
<b>Developing Goals</b>	<b>GLEs</b>	<b>Assessment</b>
Find unit rates		SA 1,2; WA 2a; Alternative Assessment Option
Calculate unit prices to determine which product is the "better buy"		WA 4, 5; Alternative Assessment Option
Evaluate the reasonableness		OA1; WA 1

# Everyday Mathematics

of rate data		
Collect and compare rate data		WA 4, 5
<b>Beginning Goals</b>	<b>GLEs</b>	<b>Assessment</b>