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| **opportunity for growth** | **performance meets standard of learning (Grade 4)** | **advanced** |
|  | Big Ideas and Content at a glance* Fractions and decimals represent quantities
* Computational Fluency requires analysis of patterns and relations in multiplication and division

Regular changes in patterns can be identified and represented* Polygons are closed shapes with attributes that can be described, measured and compared
* Analyzing and interpreting probability experiments develops an understanding of chance
* Number concepts to 10 000
* Addition and subtraction facts to 20
* Add and subtract whole #s to 10 000
* Multiplication and division facts to 100
* Multiplication and division of 2 or 3 digit #s by 1 digit #s
* Ordering and comparing fractions
* decimals to hundredths
* addition/subtraction: decimals to 100ths
* financial literacy - monetary calculations and making simple financial decisions
* increasing/ decreasing patterns using tables and charts
* algebraic relationships among quantities
* one step equations with an unknown number (all operations)
* how to tell time: analog and digital clocks (12 and 24 hour)
* regular and irregular polygons
* perimeter of regular and irregular shapes
* line symmetry
* one-to-one correspondence and many-to-one correspondence using bar graphs and pictographs
* probability experiments
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| Learning: Takes Time and Patience, Experiential, Embedded in Story, . . . |
|  | Reasoning and Analysis* Explore and make connections
* Estimation
* Mental math strategies
* Model math concepts &/or ‘mathematically model’
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|  | Understanding and Solving* Strategies (incorporate, develop)
* Use mathematical concepts
* Problem Solving (unfamiliar, inquiry - connect to place, story, culture, First Peoples)
* Visualizing
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|  | Communicating and Representing* Mathematical justifications (written &/or spoken)
* Concrete, Pictorial, Symbolic
* Contribute to mathematical discussions
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|  | Connecting and Reflecting* Reflect upon mathematical thinking (self, others)
* Pose new problems/extensions
* Connect to other math, other subjects, and world around us, First Peoples
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