

Math Expeditions Levels A-D

<i>Project</i>	<i>Activity</i>	<i>Objective Tested</i>
Math Level A - Pacific Coast Tide Pools		
Pack Your Gear	Numeration – Position	Locate objects: inside, outside, on Locate objects: left, right Locate objects: after, between Locate objects: nearest, farthest Locate objects: above, below
	Numeration – Classify	Identify objects: same size Identify objects: same color/shape
In the Tide Pool	Numeration - Recognition	Identify groups of one, two, three Identify groups zero through seven Identify groups of 8 through 12 Identify groups of 11 through 19 Identify groups of 20 through 29
Ocean Views	Numeration - Ordinals	Identify ordinals through fifth
	Numeration - Compare	Same, more, fewer One more, one fewer, as many as
	Numeration - Order	Order numbers 1 through 10 Order numbers 11 through 19 Order numbers through 31
Fishy Fun	Number Operations - Addition	Join two groups: identify total Add two numbers: sums to 6
	Number Operations - Subtraction	Remove objects from group Subtract numbers through 9
The Snack Stand	Fractions	Equal parts of whole and one half
	Money	Identify value penny, nickel, dime
	Time	Tell time to the hour
	Measurement - Length	Length using informal units
	Measurement - Weight	Objects - heavier
	Measurement - Capacity	Which holds more or less?
	Geometry	Circles, squares, triangles

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Math Level B - Buffalo National River		
On the River	Numeration - Recognition	Identify and count 0-6 Identify and count 7-12 Count by fives
	Numeration - Ordinals	Identify ordinals through tenth
	Numeration - Compare	Compare numbers through 99
At the Campground	Numeration - Order	Order numbers 1 through 10 Order numbers through 99
	Numeration - Place Value	Identify tens and ones to 99 Identify and write tens to 90
In the Woods	Number Operations - Addition	Add two numbers with sums to 10 Add with zero Add three numbers with sums to 10 Add two numbers with sums to 12 Add two 2-digit numbers Add with money
At the Lodge	Number Operations - Subtraction	Subtract numbers through 7 Subtract with zero Subtract numbers 9, 10, 11, 12 Subtract with two 2-digit numbers Subtract with money Subtract numbers 13 through 18
In the Water	Fractions	Identify equal parts, $\frac{1}{2}$, $\frac{1}{3}$, and $\frac{1}{4}$
	Money	Identify coins to 99 cents
	Time	Tell time to the half hour
	Measurement - Length	Measure with an inch ruler
	Measurement - Weight	Measure weight; use pounds; identify objects that are lighter or heavier.
	Measurement - Capacity	Convert cups, pints, quarts
	Geometry	identify two-dimensional shapes: triangles, rectangles, circles, squares Identify three-dimensional shapes: cubes, cylinders, spheres, cones
	Graphs	Solve problems: use a bar graph

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Math Level C – Glacier National Park		
Mountain Meadows	Numeration - Number Recognition	Count by twos; even numbers Count by twos; odd numbers
	Numeration - Ordinals	Identify ordinals to twentieth
	Numeration - Compare	Compare numbers through 99
	Numeration - Order	Order numbers through 99 Order numbers through 999
River Rafting	Numeration - Place Value	Identify tens and ones to 99 Write standard form to 99 Write standard form to 999
	Numeration - Round	Round numbers to nearest ten
Look at the Birds!	Number Operations - Addition	Add two numbers with sums to 10 Add two numbers with sums to 12 Add three numbers with sums to 12 Add two numbers with sums to 18 Add three numbers with sums to 18 Add a 1-digit to a 2-digit number Add two 2-digits; no renaming Add two 2-digits using money
Overnight Camping	Number Operations – Subtraction	Subtract numbers through 12 Subtract numbers through 18 Subtract 2-digit numbers; rename Subtract multiples of 10; rename Subtract two 2-digits; rename Subtract with money Subtract 3-digit numbers
Let's Go Hiking	Number Operations - Multiplication	Multiply by twos Multiply by threes Multiply by fours Multiply by fives
Little Creatures	Fractions	Halves, thirds, fourths, tenths
	Money	Compare money to \$2.00
	Time	Tell time to 5 minutes
	Measurement - Length	Identify units of length
	Measurement - Mass, Weight	Metric units of mass
	Measurement - Capacity	Identify units of capacity
	Geometry	Identify plane shapes Identify solid shapes
	Graphs	Solve problems: pictographs

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Math Level D - Puffin Island		
Beneath the Waves	Numeration - Compare	Compare numbers to 999 Compare numbers to 9999
	Numeration - Order	Order numbers to 999 Order numbers to 9999
	Numeration - Place Value	Write standard form to 999 Write standard form to 9999 Write standard form to 999,999
	Numeration - Round	Round numbers to tens Round to tens and hundreds
Sea Bird Beach	Number Operations - Addition	Add two numbers with sums to 18 Add three 1-digit numbers to 18 Add 2-digit plus 1-digit numbers Add two 2-digit numbers Estimate sums Add three or more 1-digit numbers Add three or more 2-digit numbers Add two 2, 3, or 4-digit numbers Add money
A Rocky Landing	Number Operations - Subtraction	Subtract numbers 13 to 18 Subtract 1D from multiples of 10 Subtract 2D from multiples of 10 Subtract two 2-digit numbers Estimate differences Subtract 3-digit numbers Subtract 4-digit numbers Subtract with money
Sailing Away	Number Operations - Multiplication	Multiply with zero through five Multiply with fives and sixes Multiply with sevens and eights Multiply with nines Multiply with multiples of 10 Estimate products Multiply 2-digit by 1-digit numbers Multiply 3-digit by 1-digit numbers Multiply with money
Go Fish!	Number Operations - Division	Divide by 2-5 Divide by 6-9 Divide by 1-9 Divide by 1-digit, with remainders Divide tens and hundreds by 1-digit Divide by 1-digit numbers Divide 3-digit by 1-digit numbers

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Whale Watch	Fractions	Add and subtract fractions Equivalent fractions
	Decimals	Add and subtract decimals
	Money	Solve problems; estimate money
At the Dock	Time	Tell time to the minute Solve problems; calendar
	Measurement - Length	Identify units of length
	Measurement - Capacity	Identify units of temperature
	Geometry	Determine perimeter of a polygon Determine polygon area by counting squares
	Graphs -	Solve problems: bar graph, pictograph