

# Grade 1 JUMP Math Correlation to the Alberta Curriculum

## NOTES:

An asterisk (\*) indicates that a JUMP Math lesson covers a curriculum requirement primarily in the Teacher's Guide.

JUMP Math strands are represented by:

NS Number Sense

ME Measurement

G Geometry

PA Patterns and Algebra

PDM Probability and Data Management

Number				
General Outcome				
Develop number sense.				
Specific Outcomes		JUMP Math Lessons		
1.	Say the number sequence 0 to 100 by: • 1s forward between any two given numbers • 1s backward from 20 to 0 • 2s forward from 0 to 20 • 5s and 10s forward from 0 to 100.	Part	Unit	Lessons
		1	2	NS1-1 to 8, 12
		1	4	NS1-13, 27*
		2	10	NS1-49 to 55
		2	12	NS1-70
2.	Subitize (recognize at a glance) and name familiar arrangements of 1 to 10 objects or dots.	Part	Unit	Lessons
		1	2	NS1-1 to 3
		1	4	NS1-14, 17*, 19*, 20*
		2	10	NS1-50, 51*
		2	13	NS1-76
3.	Demonstrate an understanding of counting by: • indicating that the last number said identifies “how many” • showing that any set has only one count • using counting-on • using parts or equal groups to count sets.	Part	Unit	Lessons
		1	2	NS1-1 to 4, 7, 8
		1	4	NS1-14, 19, 20, 24
		1	7	NS1-29, 30
		2	10	NS1-50, 51, 53 to 55
		2	14	NS1-90

Number			
4.	Represent and describe numbers to 20, concretely, pictorially and symbolically.	<b>Part</b>	<b>Unit Lessons</b>
		1	2 NS1-1 to 8
		1	4 NS1-21 to 25
		1	7 NS1-28 to 30
		1	8 NS1-40
		1	9 NS1-46, 48
		2	12 NS1-65, 72, 73
		2	13 NS1-79, 84
5.	Compare sets containing up to 20 elements, using: • referents • one-to-one correspondence to solve problems.	<b>Part</b>	<b>Unit Lessons</b>
		1	2 NS1-9 to 11
		1	4 NS1-15 to 18, 21*, 22*, 23
		2	14 NS1-88
6.	Estimate quantities to 20 by using referents.	<b>Part</b>	<b>Unit Lessons</b>
		2	12 NS1-72 to 74
7.	Demonstrate an understanding of conservation of number.	<b>Part</b>	<b>Unit Lessons</b>
		1	2 NS1-8
		2	10 NS1-53*, 55
8.	Identify the number, up to 20, that is: • one more • two more • one less • two less than a given number.	<b>Part</b>	<b>Unit Lessons</b>
		1	4 NS1-19, 20, 25
		1	8 NS1-35
		2	12 NS1-71
9.	Demonstrate an understanding of addition of numbers with answers to 20 and their corresponding subtraction facts, concretely, pictorially and symbolically, by: • using familiar mathematical language to describe additive and subtractive actions • creating and solving problems in context that involve addition and subtraction • modelling addition and subtraction, using a variety of concrete and visual representations, and recording the process symbolically.	<b>Part</b>	<b>Unit Lessons</b>
		1	8 NS1-31, 32, 38 to 40
		1	9 NS1-41 to 45, 48*
		2	12 NS1-66 to 69
		2	13 NS1-82
		2	14 NS1-88, 89, 92 to 95, 97 to 100

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Number				
10.	Describe and use mental mathematics strategies for basic addition facts and related subtraction facts to 18.	Part	Unit	Lessons
		1	8	NS1-33 to 37
		1	9	NS1-42*, 43*
		2	12	NS1-71
		2	13	NS1-75 to 81, 83, 85, 86
		2	14	NS1-91 to 100

Patterns & Relations – Patterns				
General Outcome				
Use patterns to describe the world and to solve problems.				
Specific Outcomes		JUMP Math Lessons		
1.	Demonstrate an understanding of repeating patterns (two to four elements) by: <ul style="list-style-type: none"><li>• describing</li><li>• reproducing</li><li>• extending</li><li>• creating</li></ul> patterns using manipulatives, diagrams, sounds and actions.	Part	Unit	Lessons
		1	3	PA1-1 to 3, 6, 7
		2	17	ME1-26
2.	Translate repeating patterns from one representation to another.	Part	Unit	Lessons
		1	3	PA1-4, 5
3.	Sort objects, using one attribute, and explain the sorting rule.	Part	Unit	Lessons
		1	1	PDM1-1
		1	5	ME1-6*
		1	6	G1-1*, 2*, 3*, 4*, 5* 6 to 8

Patterns & Relations – Variables & Equations				
General Outcome				
Represent algebraic expressions in multiple ways.				
Specific Outcomes		JUMP Math Lessons		
4.	Describe equality as a balance and inequality as an imbalance, concretely and pictorially (0 to 20).	Part	Unit	Lessons
		2	15	PA1-9
5.	Record equalities, using the equal symbol.	Part	Unit	Lessons
		1	8	NS1-32, 38, 39
		2	15	PA1-9, 10

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## Shape & Space – Measurement

### General Outcome

Use direct and indirect measurement to solve problems.

### Specific Outcomes

1. Demonstrate an understanding of measurement as a process of comparing by:
  - identifying attributes that can be compared
  - ordering objects
  - making statements of comparison
  - filling, covering or matching.

### JUMP Math Lessons

Part	Unit	Lessons
1	5	ME1-1 to 7, 13 to 15, 18
2	17	ME1-27, 29

## Shape & Space – 3-D Objects & 2-D Shapes

### General Outcome

Describe the characteristics of 3-D objects and 2-D shapes, and analyze the relationships among them.

### Specific Outcomes

2. Sort 3-D objects and 2-D shapes, using one attribute, and explain the sorting rule.

Part	Unit	Lessons
1	1	PDM1-1 to 3
1	6	G1-1*, 2*, 3*, 4*, 5*, 7, 8
2	16	G1-15*, 16*, 17, 18

3. Replicate composite 2-D shapes and 3-D objects.

Part	Unit	Lessons
1	6	G1-9 to 11
2	16	G1-19

4. Compare 2-D shapes to parts of 3-D objects in the environment.

Part	Unit	Lessons
2	16	G1-15*, 16*, 17*, 18