

## **APA Alberta-based Math Curricula: Grade 1 Math**

### **Counting and number patterns**

- Counting review – 0 to 10
- Counting review – up to 20
- Counting tens and ones – up to 30
- Counting – up to 30
- Counting – up to 100
- Counting tens and ones – up to 99
- Skip-counting – with pictures
- Counting by twos, fives and tens – up to 100
- Counting forward and backward
- Number lines
- Counting on the hundred chart
- Hundred chart
- Even and odd: counting objects
- Even and odd numbers on number lines
- Identifying even and odd numbers
- Which even or odd number comes before or after?
- Skip-counting patterns – with tables
- Sequences – count up and down by 1, 2, 3, 5 and 10
- Ordinal numbers
- Writing numbers in words
- Roman numerals I, V, X

### **Addition**

- Addition with pictures – sums to 10
- Addition sentences – sums to 10
- Addition sentences to 10 using number lines
- Addition word problems – sums to 10
- Word problems – write the addition sentence
- Ways to make a number using addition
- Ways to make a number – addition sentences
- Adding zero
- Adding doubles
- Addition facts – sums to 10
- Addition sentences to 18 using number lines
- Addition facts – sums to 18
- Addition word problems – sums to 18
- Complete the addition sentence
- Adding three numbers
- Word problems – adding three numbers
- Related addition facts
- Add using doubles plus 1
- Add using doubles minus 1
- Addition facts – sums to 20
- Add tens I
- Add tens II
- Add a one-digit number to a two-digit number – without regrouping
- Add a one-digit number to a two-digit number – with regrouping

### **Addition – skill builders**

- Adding 0

- Adding 1
- Adding 2
- Adding 3
- Adding 4
- Adding 5
- Adding 6
- Adding 7
- Adding 8
- Adding 9

#### **Subtraction**

- Subtraction with pictures – numbers up to 10
- Subtraction sentences – numbers up to 10
- Subtraction sentences within 10 using number lines
- Subtraction word problems – one-digit numbers
- Word problems – write the subtraction sentence
- Ways to make a number using subtraction
- Ways to make a number – subtraction sentences
- Ways to subtract from a number – subtraction sentences
- Subtracting zero and all
- Subtracting doubles
- Subtraction facts – numbers up to 10
- Subtraction sentences within 18 using number lines
- Subtraction facts – numbers up to 18
- Subtraction word problems – numbers up to 18
- Complete the subtraction sentence
- Related subtraction facts
- Subtract tens I
- Subtract tens II
- Subtract a one-digit number from a two-digit number

#### **Subtraction – skill builders**

- Subtracting 0
- Subtracting 1
- Subtracting 2
- Subtracting 3
- Subtracting 4
- Subtracting 5
- Subtracting 6
- Subtracting 7
- Subtracting 8
- Subtracting 9

#### **Comparing**

- Comparing – review
- Comparing numbers up to 10
- Comparing numbers up to 100
- Comparison word problems

#### **Estimation**

- Estimate to the nearest ten

#### **Fractions**

- Halves, thirds and fourths
- Equal parts
- Simple fractions: what fraction does the shape show?

- Simple fractions: which shape matches the fraction?
- Simple fractions: parts of a group
- Fractions – word problems
- Compare fractions

#### **Geometry**

- Identify 2-dimensional shapes
- Identify 3-dimensional figures
- Geometry of everyday objects
- Relate planar and solid figures
- Count sides and vertices
- Count edges, vertices and faces
- Compare sides and vertices
- Compare edges, vertices and faces
- Open and closed shapes
- Flip, turn and slide
- Symmetry
- Same shape

#### **Spatial sense**

- Left, middle and right
- Above, below, top, middle and bottom
- Location in a three-by-three grid

#### **Data and graphs**

- Record data with tally charts, picture graphs, tables
- Interpret data in tally charts, picture graphs, tables
- Interpret bar graphs
- Which bar graph is correct?

#### **Measurement**

- Long and short
- Tall and short
- Light and heavy
- Holds more or less
- Compare size, mass and capacity
- Measure using objects
- Read a thermometer
- Measure using a centimetre ruler
- Which metric unit of length is appropriate?
- Metric units of length: word problems
- Which metric unit of mass is appropriate?

#### **Money**

- Coin values
- Count nickels and dimes
- Equivalent coins I
- Equivalent coins II
- Compare money amounts
- Purchases: do you have enough money?

#### **Patterns**

- 1Recognize patterns
- 2Describe patterns

#### **Mixed operations**

- Addition and subtraction – ways to make a number

- Which sign makes the number sentence true?
- Fact families
- Addition and subtraction facts – numbers up to 10
- Addition and subtraction facts – numbers up to 18
- Addition and subtraction word problems
- Ten more or less
- Add and subtract tens
- Addition and subtraction terms

**Probability and statistics**

- More, less and equally likely
- Certain, probable, unlikely and impossible

**Sorting, ordering and classifying**

- Venn diagrams
- Put numbers in order

**Time**

- Days of the week
- Reading clocks
- Match clocks and times
- Times of everyday events
- Match analog and digital clocks
- A.M. or P.M.
- Compare clocks
- Time and clocks: word problems
- Choose the appropriate time units
- Seasons of the year
- Read a calendar
- 12 Months of the year