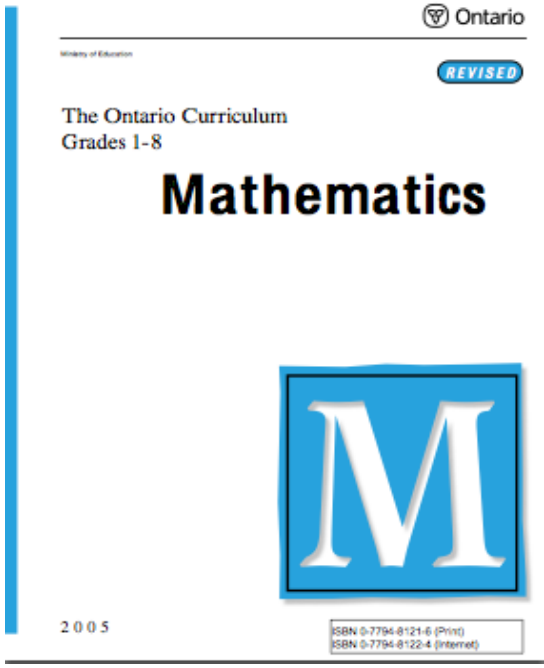
Related Junior Resources

Using Non-Verbal Reasoning

- Observing Actions with the Rekenrek
  - Strategy 1
  - Strategy 2
- Reading Decimals

Observing Actions with the Rekenrek: Division

Observe the actions with the rekenrek (without any sound) as the problem is being solved. What is the same or different between the two strategies?



Curriculum Expectation

Grade 4

- Divide two-digit whole numbers by one-digit whole numbers, using a variety of tools (e.g., fraction circles, Cuisenaire rods, number lines) and using standard fractional notation

Related Junior Resources

Using Non-Verbal Reasoning

Reading Decimals

The Language of Decimals

When decimals are read for their value, students gain a better conceptual understanding of their meaning:

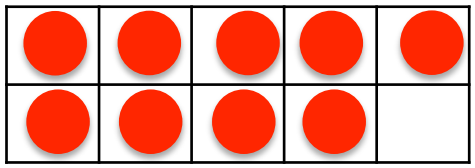
- 0.6 as “six tenths”
- 3.25 as “three and twenty-five hundredths.”

It is also easier to make the connection between decimals and fractions.

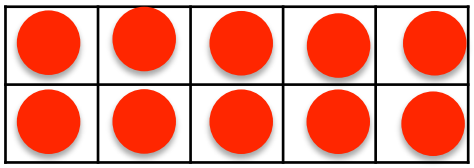
Counting by Decimals

- Counting, using concrete materials, gives students the opportunity to practise the language of decimals.
- It also allows them to visually 'see' what happens as decimals increase in value.

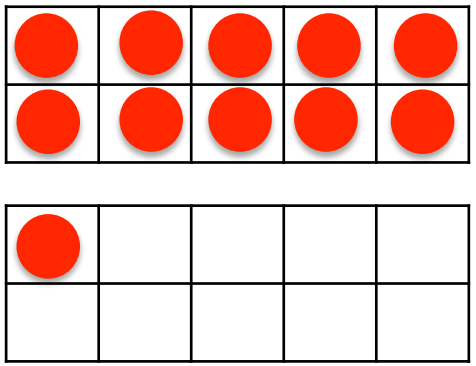
"nine tenths"



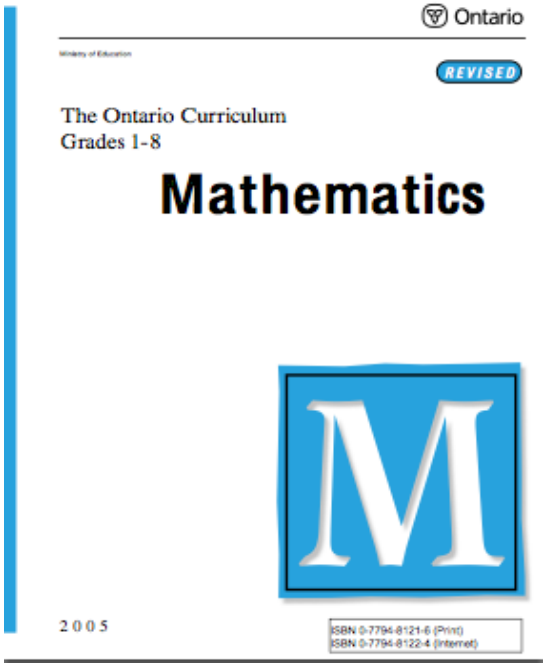
"ten tenths or one whole"



"one and one tenth"



Counting by Decimals: Curriculum Expectations



Count forward

Grade 4

- by tenths from any decimal number expressed to one decimal place

Grade 5

- by hundredths from any decimal number expressed to two decimal places

using concrete materials and number lines

The Language of Decimals

Counting by decimals helps students:

- Create visual representations of decimals
- Connect the numeric representation to a visual representation
- Connect fractions and decimal numbers.

Activities that Reinforce Reading Decimals

Grade 4

Learning Connection 4

Counting Tenths (p. 36)

Grade 5

Learning Activity

Number Books (p. 46)