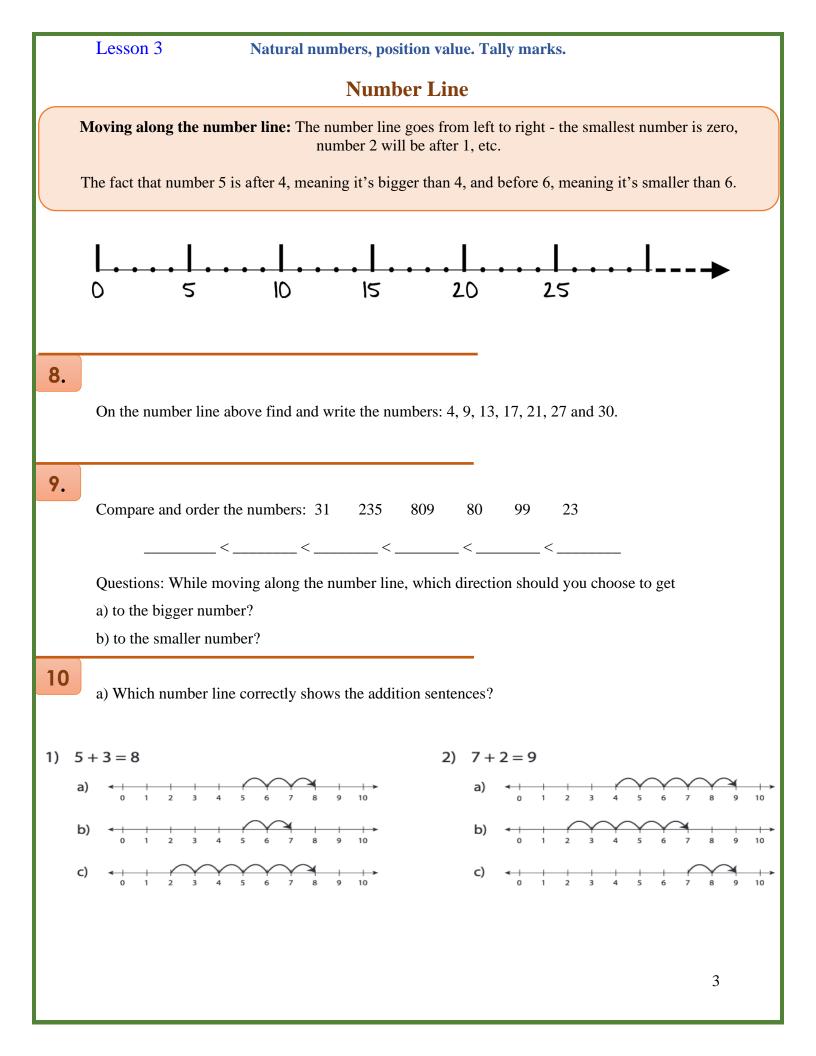
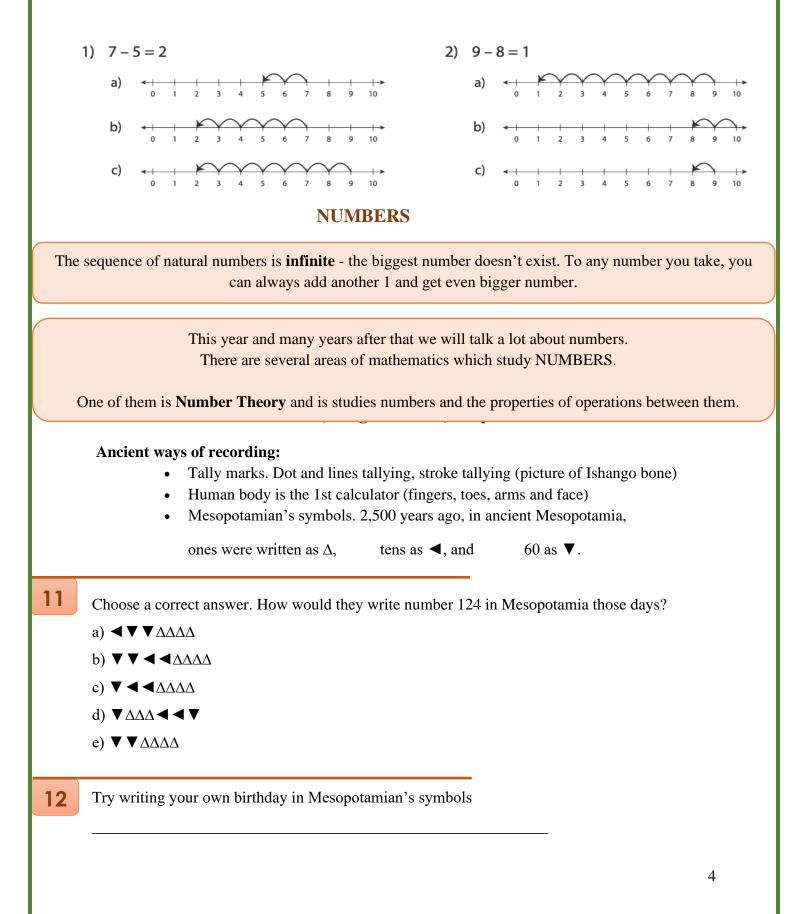
S	chool Solowa Math 2 Classwork 3						
WARM-UP							
1	Write down as a number expression and calculate.						
	Six more than 17 Five less than 25 Seven increased by 5 The sum of eight and 6 45 more than 5 The sum of 16 and 8						
2	Skip-count by 2s from 14 to 26:         Skip- count by 3s from 15 to 30:         Skip - count by 4s from 4 to 24:						
3	Make two expressions equal:						
	a) 17 + 12 = 20 + b) 37 + 19 = 40 + c) 79 + 14 = 80 +						
	New Material						
	<ul> <li>Natural numbers or Counting Numbers. How many?</li> <li>1, 2, 3, 4, 5, etc. are NATURAL or Counting numbers (we use them to count objects). Any natural number is either one or a collection of as many ones as a number represents. <i>Example</i> - number 27 is a collection of 27 ones.</li> <li>number is a count or measurement that is just an idea in our minds. We write or talk about numbers ng numerals such as "3" or "three." But we could also hold up three fingers or tap the table 3 times. A numeral is a symbol or name that stands for a number. <i>Examples:</i> 3, 49, eleven.</li> </ul>						

	Lesson 3	Natural nu	mbers, position	n value. T	ally marks.				
4	Counting out loud:								
	a) Go over all names from 1 to 10,								
	b) skip-count by 10s to 100,								
	c) skip-count by hundreds to 1,000.								
	A digit is a <b>single symbol</b> used to make numerals. <b>0</b> , <b>1</b> , <b>2</b> , <b>3</b> , <b>4</b> , <b>5</b> , <b>6</b> , <b>7</b> , <b>8</b> , and <b>9</b> are the ten digits we use in everyday numerals. <i>Example:</i> The numeral 51 is made up of 2 digits ("5", and "1").								
	combined to write any nu	mber. The base	e-ten system was	s invented	<b>system</b> . It has 10 digits (0–9) that can be by Hindus in ancient India. Later, Arabs called <b>Hindu-Arabic numerals</b> .				
5	What numbe	r has:							
			ones?						
			ones?						
	c) 3 hundreds	s, 2 tens and $9$	ones						
6	Compare numbers, u	using <, >, = (le	ess than, greater	than, equa	ıl to)				
	500 _	50	322	_232	606 660				
	15	_ 155	134	_ 314	201 210				
7									
	Think and di			111110					
			exist? What cou tween any numb		a next number?				
			-		e previous number?				
	,		5		r to a bigger number?				
	e) What oper	ation should yo	ou do to get from	a numbe	r to a smaller number?				
					2				



## Lesson 3Natural numbers, position value. Tally marks.b) Which number line correctly shows the subtraction sentences?



Lesson 3

Natural numbers, position value. Tally marks.

## Did you Know ...?

It may be hard to imagine today that long ago people used to count using scratches (**tally marks**) on sticks or counted with the help of small stones or just with fingers. The word tally comes from Latin *talea* – twig or cutting. The word "<u>calculate</u>" comes from the Latin *calculus*, which means *small stone*. In the following we look at these ancient counting devices.

Tally sticks, made of wood or bone, have been used since ancient times as a "data recording" device or memory aid to record numbers, quantities, or even messages.

The most famous of such artefacts is possibly the Ishango bone has been dated to the Upper

**Paleolithic Period** around 22000 years ago. It is on permanent exhibition at the **Royal Belgian Institute of Natural Sciences**, Brussels, Belgium

The Ishango bone, dated from 22,000 years, can be considered as the oldest mathematical tool of humankind because the arrangement of the notches on three columns suggests an arithmetical intention.

Tally marks are typically clustered in groups of five and we all use it.1. Mostly used in Europe, Australia, New Zealand and North America

2. Mostly used in France, Spain and Brazil

3. This method is used for counting by 10.

Can you write 23, using each of these systems?

1	
2	
3	



