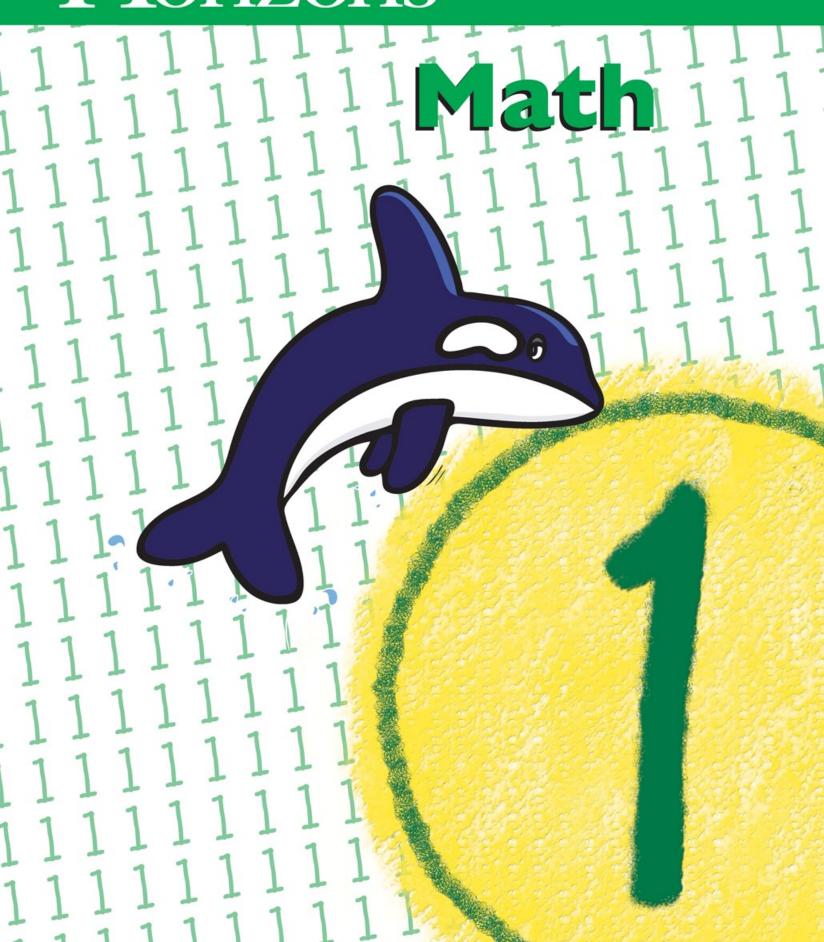
# Forizons



### **Contents**

Part 1 – Section One	Page
Introduction	_
Before You Start	1
Readiness Evaluation Part A	
Readiness Evaluation Part B	
Remedial Exercises	
Preparing a Lesson	
Scope & Sequence	
Manipulatives	
Where to Use Mathematics Worksheets	
Appearance of Concepts	46
Development of Concepts	
Teacher's Lessons  Part 2 – Section Three  Answer Key (Lessons 1–160)	
Part 2 – Section Four	
<b>Worksheets</b> (1–80)	469
Part 2 – Section Five	
Worksheets Answer Key	540
WOI ASHEELS AHSWEI 11Cy	

# Readiness Evaluation Part A

### WHY EVALUATE READINESS?

Teaching could be defined as the process of starting from what a student knows and guiding him to a knowledge of new material. While this may not be a dictionary definition of teaching, it is descriptive of the processes involved. Determining a student's readiness for first grade mathematics is the first step to successful teaching.

#### TYPES OF READINESS

True readiness has little to do with chronological age. Emotional maturity and mental preparation are the main components of academic readiness. The teacher who is dealing directly with the student is best able to determine a child's emotional maturity. An emotionally immature student may need special student training in their problem areas. It might be wise, in this case, to delay placing them in the first grade until the next year. A child's mental *preparation* can be more easily discerned with a simple diagnostic evaluation. Observing the child's attitude of confidence or insecurity while taking the evaluation may help you determine their emotional readiness.

### DETERMINING READINESS

While administering *Part A* of the evaluation, keep in mind that each question has suggestions for proper remediation if the student should fail to demonstrate sufficient skill in a concept area.

If a student of any age is not able to listen and follow directions, complete an assigned task, or read and write well enough to communicate; they will experience great difficulty with this course. Likewise, if a student has not acquired the concepts of color, size, shapes, direction/position, matching/categorizing, sets, numbers, counting, addition, subtraction, and number sequence, they may fail from the beginning. In other words, if a student has missed the concepts taught in a formal kindergarten program, they need to acquire that knowledge before entering this course of study.

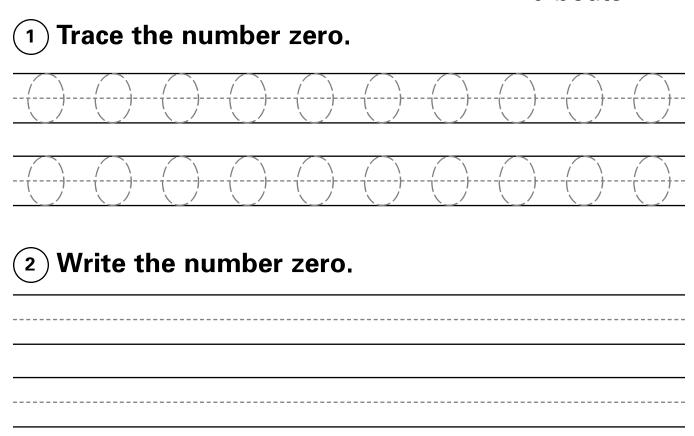
### READINESS EVALUATION, PART B: SCORE SHEET

Write "1" in the box if the response is correct and "0" in the box if the response is incorrect. Reproduce this form as needed.

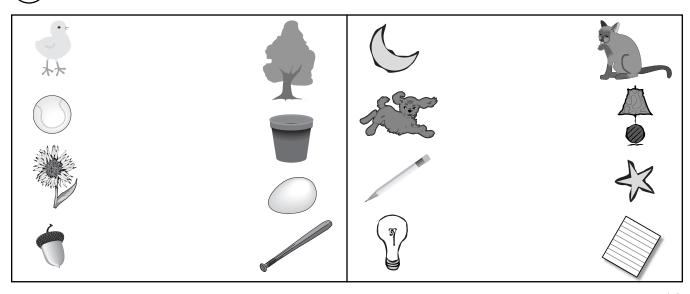
Tropiou accounts form as me	oucu.			/	/	/	/	/	/	/	/	/	/	/	/	/ /	
Student's name:																	/
Student's name.																	
			/ ,	/ ,	/ ,	/ ,	/ ,	/	/ ,	/ ,	/ ,	/ ,	/ ,	/ ,	/ ,		
<b></b>	_	 															
NUMBERS	1. a.																
	b.																
	c.																
	d.																
	e.																
	f.																
	2.																
	3. a.																
	b.																
	c.																
	d.																
	e.																
Concept Total (minimur	n of 9)																
Concept Total (minimum COUNTING	1																
COUNTING	2. a.																
	b.																
O + M + 1 / · · ·	c.																
Concept Total (minimum ADDITION	n of 2)																
ADDITION	1.																
	2.																
	3.																
	4.																
	5.																
	6.																
	7.																
Concept Total (minimum SUBTRACTION	n of 4)																
SUBTRACTION	1.																
	2.																
	3.																
	4.																
	5.																
	6.																
	7.																
Concept Total (minimum																	
Concept Total (minimum NUMBER SEQUENCE	1																
NUMBER SEQUENCE	2.																
	2. 3.																
	4.																
	5.																
	6.																
	7.																
	8.																
	9.																
Concept Total (minimum	n of 5)																

## zero 0

0 boats



(3) Draw a line to match the objects.



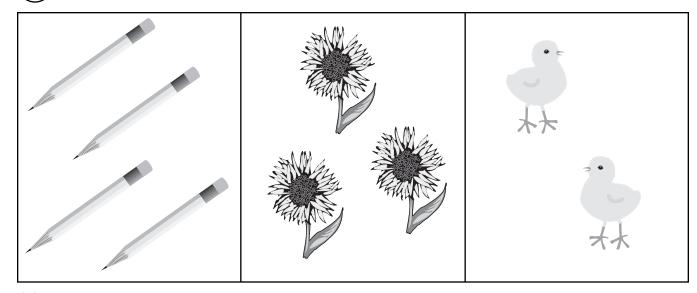
## one



1 boat

 	i	<u> </u>	l	l		
	one.	ımher	ne nu	ite th	Wri	5
•	one.	iiibei	ie nu	ite tii	VVII	<u>•</u>

6 Circle one object in each group.



### **NUMBERS**









#### **Concepts:**

Counting by ones and number line

Definition: A number line is a graphic representation of how far a number is from zero.

### **Objectives:**

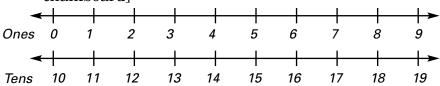
- 1. The student shall be able to count by ones and twos up to 100 out loud from memory.
- 2. The student shall be able to correctly form all the numerals from zero through nine with a pencil.

### **Teaching Tips:**

- 1. When doing activity 4, have each student stand up when the name of each number family (10, 20, 30, 40) is called while counting out loud. For example, when counting by ones to 100 the student would stand on ten, twenty, thirty, forty, fifty, etc.
- 2. If a student asks about the arrows at the ends of the number line in activity 3, give the illustration of standing on a railroad track. If you look in either direction the tracks seem to go on forever. In the same way, the number line seems to have no end.

### Materials, Supplies, & Equipment:

1. Number line segments in families [or draw on chalkboard]



2. Number chart arranged in families either horizontally or vertically.

0	10	20	30	40	50	60	70	80	90
1	11	21	31	41	51	61	71	81	91
2	12	22	32	42	52	62	72	82	92
3	13	23	33	43	53	63	73	83	93
4	14	24	34	44	54	64	74	84	94
5	15	25	35	45	55	65	75	85	95
6	16	26	36	46	56	66	76	86	96
7	17	27	37	47	57	67	77	87	97
8	18	28	38	48	58	68	78	88	98
9	19	29	39	49	59	69	79	89	99

Horizontal

0	1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18	19
20	21	22	23	24	25	26	27	28	29
30	31	32	33	34	35	36	37	38	39
40	41	42	43	44	45	46	47	48	49
50	51	52	53	54	55	56	57	58	59
60	61	62	63	64	65	66	67	68	69
70	71	72	73	74	75	76	77	78	79
80	81	82	83	84	85	86	87	88	89
90	91	92	93	94	95	96	97	98	99

**Note:** For a complete listing of materials and where they are used in the curriculum, see page 40 in the introduction.