TOON BOOKS

ISBN 978-1-943145-34-8 TOON Level 1 F&P Reading Level = L

by Ivan Brunetti

3X4

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CCSS-aligned Guided Reading Lesson Plan

Overview	Numbers can be made in many different ways. Children will explore this idea and will investigate how the author/artist brings it out in his text and artwork.
Subject	Math
Grade Level	K-1
Suggested Time	40 minutes
Materials	Paper, crayons or pencils OR math manipulatives (blocks, cubes, or disks)
Objectives	Students will investigate how they can make a larger number out of equal sets of smaller numbers. They will study how the author develops this idea in several different ways. They will also learn about even and odd numbers.
Before Reading	Try doing the activity yourself with different even and odd numbers so that you can preempt the children's questions and see where difficulties may arise.
	Have the children look at the cover of the book. Then say to them:
RI.K.5	Look at the cover of the book. How many people do you see? How many animals? How many houses? How many crayons/pencils do the girls have? What does this make you think the book will be about?
RI.K.6	How many letters are in the author's name, Ivan Brunetti?
RI.K.4, RI.K.5, RI.1.4	From looking at the cover, what do you think 3X4 means? [Students this age have not yet started to learn multiplication.]
	So you see that X here means "times." If you have 4 things 3 times, how many things do you have all together?

During Reading					
RI.1.7	Look at the page with the children playing box ball. How many ways of showing 3 or 4 do you see?				
RI.K.7, RI.1.7	How many children are in the classroom? How are they grouped at their tables? How many colors are in the color wheel at the top left on page 7?				
RI.K.3, RI.1.3	What is the homework assignment that the teacher gives the children?				
RI.K.4, RI.1.4	What is a set?				
RI.K.7, RI.1.6	Look at the next two pages. Do the children have to make only 3 sets of 4 or 4 sets of 3? Are 4 sets of 3 things and 3 sets of 4 things the same number of things? What about 2 sets of 6 things and 6 sets of 2 things?				
RI.K.1, RI.K.3, RI.1.1, RI.1.3	When Annemarie asks her father to name 4 kinds of cars, how many does he name each time?				
RI.K.7, RI.1.7	AT HOME On page 12, how many musical instruments are there?				
RI.K.7, RI.1.7	On page 13, how is Annemarie feeling? How do you know what she's thinking? In comics, a cloud bubble tells what someone is thinking.				





After Reading	Draw 12 things divided into sets of the same number as many ways as you can. (Some children may realize that they can do 12 sets of 1 and 1 set of 12.) Children can use blocks, cubes, or other manipulatives rather than drawing. Manipulatives are better, because children can move them around to adjust the number of things in each set. (<i>There should be 4 sets of 3, 3 sets of 4, 2 sets of 6, 6 sets of 2, [1 set of 12, and 12 sets of 1]</i>)							
	1]): XXX XXXX XXXX XX XX X XXXXXXXXXX XXX XXXX XXX							
	Take one drawing or block away and try to do the same thing. What happens?							
	Now do the same with 10. (Advanced children can try to do the same thing with 18.)							
	A number that you can divide into two equal sets is called an <i>even</i> number. 10, 12, and 18 are even numbers. Even numbers have 0, 2, 4, 6, or 8 in the ones' place. Is 16 an even number? Is 17?							
	A number that you can't divide into two equal sets is called an <i>odd</i> number. 3, 9, and 15 are odd numbers. Odd numbers have 1, 3, 5, 7, or 9 in the ones' place. Is 19 an odd number? Is 14?							
	Test this: Make a drawing of an odd number of things and see if you can divide it into sets of the same number of things (equal sets). [Children may not yet have learned the concept of <i>equal</i> .]							
	Enrichment: Prime Numbers							
	Some odd numbers, like 15, can be divided into sets of the same number other than 1 and themselves (3 sets of 5, and 5 sets of 3). Some odd numbers, like 7, cannot be divided into sets of the same number. (7 can be made only by 1 set of 7 or 7 sets of 1.)							
	Numbers that cannot be made into sets of anything but themselves or 1 are called <i>prime</i> numbers. 3, 5, 7, 11, 13, 17, and 19 are prime numbers. Prime numbers are all odd except 2, the smallest prime number.							
	2 is the only even prime number.							

12 in O1								
<u></u>	her Languages							
Do you speak another language? How do you say 12 in that language? Can you count all the way to 12?								
How do we use the number 12 in our everyday lives?								
<i>There are 12 numbers on a clock, 12 months in a year, 12 eggs in a dozen, 12 signs of the zodiac, 12 notes (half steps) in a musical scale.</i>								
Here is a website with other uses of the number 12: <u>https://en.wikipedia.org/wiki/12_(number</u>), where they show how 12 is written in some other languages:								
14	Arabic	ា្រ	Khmer	16	A			
			Rinner	0.1.	Armenian			
১২	Bangla	ΔΙΙ	Attic Greek	0.1.	Armenian			
אי יב	Bangla Hebrew	<u>Δ</u> ΙΙ	Attic Greek Egyptian	0.1.	Armenian			
אב יב १२	Bangla Hebrew Indian & Nepali	ΔII ∩II +=	Attic Greek Egyptian Chinese and Japanese		Armenian			
یر الح الح الح الح	Bangla Hebrew Indian & Nepali Tamil	ΔII ∩II += X//	Attic Greek Egyptian Chinese and Japanese Roman and Etruscan		Armenian			
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ວ ~ ? ຈ ອ ຍ ດ_ງ	Bangla Hebrew Indian & Nepali Tamil Thai Telugu	ΔII ∩II += XII IIX IIX	Attic Greek Egyptian Chinese and Japanese Roman and Etruscan Chuvash Urdu					