

North Penn School District
Elementary Math Parent Letter

Grade 1

Unit 3 -- Chapter 6: Count and Model Numbers

Examples from each lesson

Lesson 6.1

Count by Ones to 120

Extend the counting sequence.

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	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

**Count forward.
Write the numbers.**

I find **108** on the chart.
109 comes next.

108, 109, 110, 111

More information on this strategy is available on Animated Math Model #26.

Lesson 6.2

Count by Tens to 120

Extend the counting sequence.

Use the Counting Chart.
Count forward by tens.
Start on 4.

14, 24, 34, 44, 54,
64, 74, 84, 94,
104, 114

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	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

More information on this strategy is available on Animated Math Models #26, 27.

Lesson 6.3

Understand Ten and Ones

Understand place value.

You can use  to show ten and some ones.

You can write ten and ones in different ways.




$$\begin{array}{r} \underline{1} \text{ ten } \underline{2} \text{ ones} \\ 10 + 2 \\ \hline 12 \end{array}$$


More information on this strategy is available on Animated Math Model #28.

Lesson 6.4

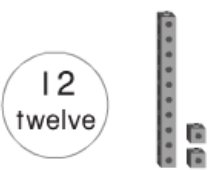
Make Ten and Ones

Understand place value.

You can make 1 ten with 10 .



12 ones = 1 ten 2 ones



1 ten 2 ones


More information on this strategy is available on Animated Math Model #28.

Lesson 6.5

Tens


CC.1.NBT.2c
Understand place value.

You can put **ones** together to make **tens**.



20 ones = 2 tens

Draw to show the 2 tens.



2 tens = 20

More information on this strategy is available on Animated Math Model #29.

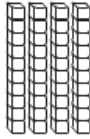

Lesson 6.6

Tens and Ones to 50

Understand place value.

You can use tens and ones to show a number.

There are 4 tens.
There are 2 ones.
This shows 42.

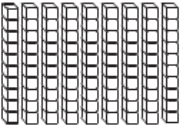

Tens	Ones
	
4 tens	2 ones = <u>42</u>

Lesson 6.7

Tens and Ones to 100

If you know the tens and ones, you can write the number.

There are 9 tens.
There are 8 ones.
The number is 98.

Tens	Ones
	
9 tens	8 ones = <u>98</u>

More information on this strategy is available on Animated Math Model #30.













Lesson 6.8

Problem Solving • Show Numbers in Different Ways

CC.1.NBT.3
Understand place value.

How can you show the number 34 two different ways?

Unlock the Problem

<p>What do I need to find?</p> <p><u>two</u> different ways to show a number</p>	<p>What information do I need to use?</p> <p>The number is <u>34</u>.</p>								
<p>Show how to solve the problem.</p>									
<p>First Way</p> <table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr style="background-color: #cccccc;"> <th style="padding: 5px;">Tens</th> <th style="padding: 5px;">Ones</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">  </td> <td style="padding: 5px;">  </td> </tr> </tbody> </table>	Tens	Ones			<div style="border: 1px solid black; border-radius: 50%; padding: 10px; margin: 0 auto; width: 80%;"> <p>THINK You can trade 1 ten for 10 ones.</p> </div> <p>Second Way</p> <table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr style="background-color: #cccccc;"> <th style="padding: 5px;">Tens</th> <th style="padding: 5px;">Ones</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">  </td> <td style="padding: 5px;">  </td> </tr> </tbody> </table>	Tens	Ones		
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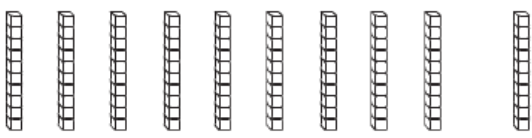
More information on this strategy is available on Animated Math Model #31.

Lesson 6.9

Model, Read, and Write Numbers from 100 to 110

Extend the counting sequence.

What is 10 tens and 2 more?



Count by tens.
Then count by ones.

10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 101, 102

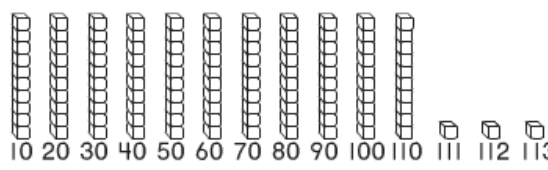
10 tens and 2 more = 102

Lesson 6.10

Model, Read, and Write Numbers from 110 to 120

Extend the counting sequence.

What is the number?



Count by tens.
Then count by ones.

10 20 30 40 50 60 70 80 90 100 110 111 112 113

The number is 113.

Vocabulary

digit – a symbol used in a numeration system; the ten digits used in our base-ten numeration system are 0, 1, 2, 3, 4, 5, 6, 7, 8, and 9

hundred – a number which is equal to 10 tens or 100 ones

ones – the value of a digit in the ones position on a place value chart

ten – a group of ten ones