

Cluster 2 Introduction

The activities reinforce the different representations of the numbers. Matching is used for the reinforcement. Concrete objects are recommended if the children continue to struggle with the pictorial and numeral images.

The practice then includes location of the numbers on number lines. The students create comparisons using the located number and any other number on the line to demonstrate understanding of the location and the value of numbers in sequence.

All of the activities strengthen numeracy, understanding numbers and their relationships.

A review and posttest conclude the cluster.

Activity sheets 17–18

- ⚠ • Place value models (optional)
- Place value mats (optional)

REPRESENTATIONAL ABSTRACT

🗨 You will match the two different forms of numbers.

👥 Use base ten blocks, beads on a string, or linking cubes if they help you.

Count the number of objects shown by the first number.

Show them on your place value mat as bundles of 10 and extra ones.

Find the number form in the second column that matches the number in the first column.

Draw a line to connect them.

- 123** READ the number in the first column: 30. Think about the place value of the number. Find the number that matches it in the second column: 3 tens + 0 ones. DRAW a line to connect them. SAY the two forms: $30 = 3 \text{ tens} + 0 \text{ ones}$.

The number 30 is a **two-digit** number.

It has 3 tens, as the first **digit**.

It has 0 ones as the second **digit**.

READ the second number: 33.

Think about the place value of the number.

Find the number that matches it in the second column: 3 tens + 3 ones.

TRACE the line to connect them.

SAY the two forms: $33 = 3 \text{ tens} + 3 \text{ ones}$.

- 📍 Repeat the process for all numbers on sheet 17. Include hundreds in the examples for sheet 18.

Name _____

30	$3 \text{ tens} + 4 \text{ ones}$
33	$4 \text{ tens} + 3 \text{ ones}$
34	$3 \text{ tens} + 3 \text{ ones}$
40	$5 \text{ tens} + 4 \text{ ones}$
43	$5 \text{ tens} + 0 \text{ ones}$
45	$3 \text{ tens} + 0 \text{ ones}$
50	$4 \text{ tens} + 0 \text{ ones}$
54	$4 \text{ tens} + 5 \text{ ones}$

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Name _____

50	$1 \text{ h} + 0 \text{ t} + 7 \text{ o}$
120	$7 \text{ tens} + 3 \text{ ones}$
107	$1 \text{ h} + 2 \text{ t} + 0 \text{ o}$
101	$9 \text{ tens} + 8 \text{ ones}$
73	$1 \text{ h} + 1 \text{ t} + 0 \text{ o}$
22	$5 \text{ tens} + 0 \text{ ones}$
110	$1 \text{ h} + 0 \text{ t} + 1 \text{ o}$
98	$2 \text{ tens} + 2 \text{ ones}$

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Name _____

	tens	ones	tens	ones
+			2	5
			1	3

	tens	ones	tens	ones
+			2	7
			1	2

	tens	ones	tens	ones
+				



24 cats
are in the (barn).
13 cats
are in the (grass).
How many
cats are
there **in all**?

	tens	ones
+		

cats

Name _____

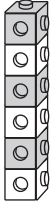
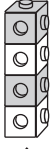
+

tens	ones
	
	

→



tens	ones
	6
	8

+

tens	ones
	
	

→


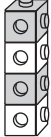
tens	ones
	10
	4

tens	ones
	

→

tens	ones
	14

→

tens	ones
	

→

tens	ones
	14

$$6 + 8 = 10 + 4 = 14$$

Name _____

$$\begin{array}{r} \downarrow \\ 42 \\ + 56 \\ \hline \end{array}$$

$$\begin{array}{r} \downarrow \\ 65 \\ + 14 \\ \hline \end{array}$$

$$\begin{array}{r} \downarrow \\ 54 \\ + 21 \\ \hline \end{array}$$

$$\begin{array}{r} \downarrow \\ 24 \\ + 42 \\ \hline \end{array}$$

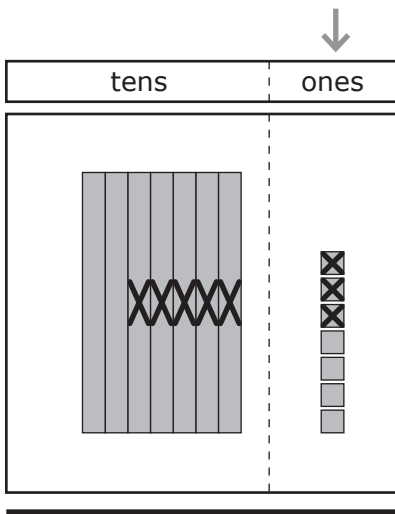
$$\begin{array}{r} \downarrow \\ 31 \\ + 11 \\ \hline \end{array}$$

$$\begin{array}{r} \downarrow \\ 60 \\ + 15 \\ \hline \end{array}$$

$$43 + 40 + 13 = 95$$

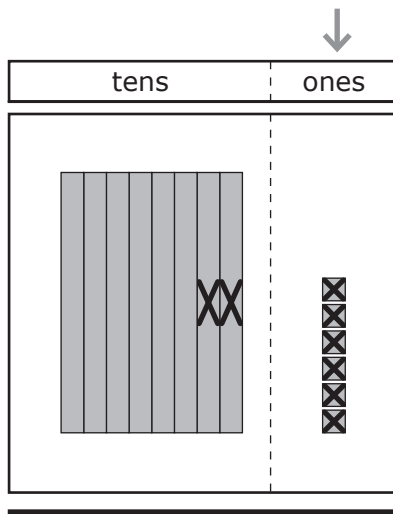
- True
 False

Name _____



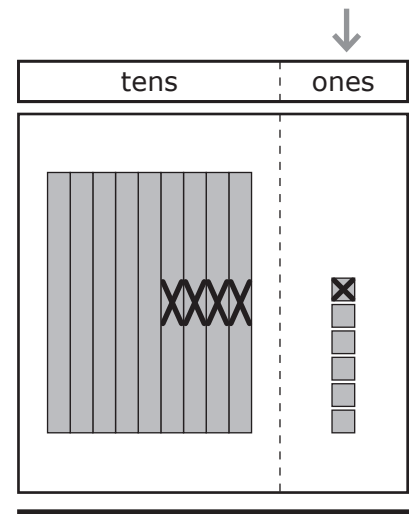
tens	ones
7	7
-	5
5	3
<div style="display: flex; justify-content: space-around;"> 2 2 </div>	

- True
 False



tens	ones
8	6
-	2
2	6
<div style="display: flex; justify-content: space-around;"> 7 2 </div>	

- True
 False



tens	ones
9	6
-	4
4	1
<div style="display: flex; justify-content: space-around;"> 6 4 </div>	

- True
 False

67 - 17 □ 99 - 88

Name _____

$$\begin{array}{r} 59 \\ - 20 \\ \hline \square \end{array}$$



$$\begin{array}{r} 67 \\ - 30 \\ \hline \square \end{array}$$

↓

$$\begin{array}{r} 84 \\ - 51 \\ \hline \square \end{array}$$

↓

$$\begin{array}{r} 77 \\ - 66 \\ \hline \square \end{array}$$

↓

$$\begin{array}{r} 98 \\ - 40 \\ \hline \square \end{array}$$

↓

$$\begin{array}{r} 69 \\ - 45 \\ \hline \square \end{array}$$

↓

$$\begin{array}{r} 83 \\ - 32 \\ \hline \square \end{array}$$

↓

$$\begin{array}{r} 57 \\ - 14 \\ \hline \square \end{array}$$

Name _____

$$\begin{array}{r} \downarrow \\ 97 \\ - 35 \\ \hline \end{array}$$

$$\begin{array}{r} \downarrow \\ 73 \\ - 51 \\ \hline \end{array}$$

$$\begin{array}{r} \downarrow \\ 68 \\ - 10 \\ \hline \end{array}$$

$$\begin{array}{r} \downarrow \\ 89 \\ - 45 \\ \hline \end{array}$$

22

61

58

43

$$\begin{array}{r} \downarrow \\ 89 \\ - 31 \\ \hline \end{array}$$

$$\begin{array}{r} \downarrow \\ 76 \\ - 33 \\ \hline \end{array}$$

$$\begin{array}{r} \downarrow \\ 84 \\ - 23 \\ \hline \end{array}$$

$$\begin{array}{r} \downarrow \\ 95 \\ - 73 \\ \hline \end{array}$$