

addends → $35 + 14 = 49$ → sum
 addition plus sign equals

Two-digit Addition

$$\begin{array}{r} 35 \\ + 14 \\ \hline 49 \end{array}$$

2nd grade OA
 5 stores Module 6

How does our place value system work?



Place Value

	<u>2</u>	<u>3</u>	<u>4</u>
	hundreds	tens	ones
(tape blocks)			

(bundle straws w/ Kibo and add)			
---------------------------------	--	--	--

$$234 = 200 + 30 + 4$$

Why does estimation help us be more accurate mathematicians?



$$36 + 48 = 42$$

That's impossible because

$40 + 50$ is 90. The answer should be less than 90.

Standards and Mathematical Practices

We will use place value to solve addition problems with precision.

We will use estimation to know if an answer is reasonable.

How does place value help us add larger number?

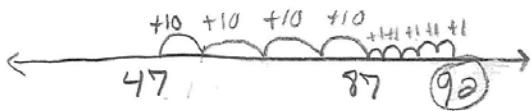


Place Value Blocks $47 + 45 =$

hundreds	tens	ones

$7 + 5 = 12$
 $40 + 40 = 80$
 $12 + 80 = 92$

Open Number Line



Doubles

$$\begin{array}{r} 47 + 45 = \\ 40 \uparrow 7 \quad 40 \uparrow 5 \\ \hline 40 + 40 = 80 \\ 7 + 5 = 12 \\ 80 + 12 = 92 \end{array}$$

What we know about adding 2-digit numbers

Inquiry

What we want to learn about adding 2-digit numbers