

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

Two-digit Addition

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

2nd grade OA
 53 pages Module 6



How does our place value system work?

Place Value

(top blocks) $\frac{2}{\text{hundreds}}$ $\frac{3}{\text{tens}}$ $\frac{4}{\text{ones}}$

(bundle sticks with K: 10 and odd)



$234 = 200 + 30 + 4$

Why does estimation help us be more accurate mathematicians?

$36 + 48 = 48$

That's impossible because $40 + 50$ is 90. The answer should be 84.

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.

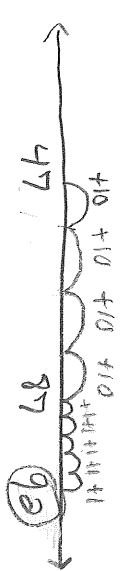


How does place value help us add larger numbers?

Place Value Blocks

hundreds	tens	ones
	$40 + 7 = 47$	$40 + 5 = 80$
		$12 + 80 = 92$

Open Number Line



Doubles

$47 + 45 = 92$
 $40 + 40 = 80$
 $7 + 5 = 12$
 $80 + 12 = 92$

What we know about adding 2-digit numbers

Inquiry: What we want to learn about adding 2-digit numbers