

Addition and Subtraction

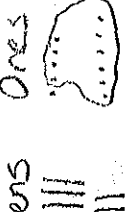
$9 + 6 = 96$
 $5 + 6 = 96$

$9 - 6 = 3$

Partial Sums

Tens
 35
 $+ 26$

Unit books

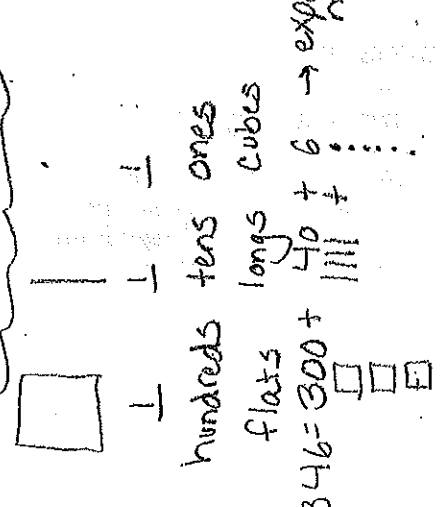


$50 + 11$
 Answer: 61 books

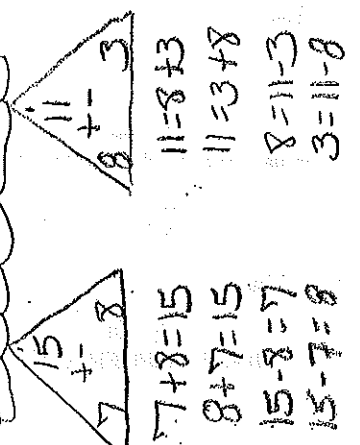
24
 $- 12$

Answer: 12 books

Base 10 System



fact families

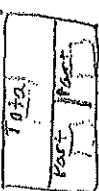


Mathematical Standards and Practices

1. We will use fact families to add and subtract.
2. We will add and subtract 2 digit numbers with precision.
- 3) We will persevere in solving word problems.

equation number model

There were 15 monsters at the table. 9 more sat down. How many altogether?



Answer: 24 monsters
 Number model: $15 + 9 = 24$

19 monsters are at the party. 3 monsters went home. How many are left?



Answer: 16 monsters
 Number model: $19 - 3 = 16$

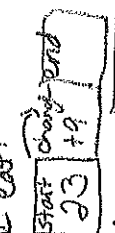
difference

Stretch and highlight as needed. There were 10 cupcakes. 5 were blue. The rest were red. How many were red?



Answer: 5
 Number model: $10 - 5 = 5$

One monster ate 23 pieces of candy. He ate 9 more and felt sick. How many pieces of candy did he eat?



Answer: 32
 Number model: $23 + 9 = 32$

What we know about + and -

What we want to learn about + and -

<p>Unit <u>NBT / OA</u></p> <p>Unit Goals:</p> <ul style="list-style-type: none"> - add within 100 using strategies of place value, properties of operations and/or relationship between addition and subtraction - explain why addition strategies work using place value 	<p>UNIT PLANNING TOOL</p> <p>CCSSM:</p> <p>Standards:</p>	<ul style="list-style-type: none"> - Use addition and subtraction to solve one step word problems (adding to, taking from putting together) - understand 3 digits of a 3-digit number represent hundreds, tens and ones
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Key Concepts

- place value to hundreds
- adding within 100
- solving word problems in multiple ways
- fact families
- sequence counting
- comparing 2 digit numbers

Visual Models of Concepts

$$\begin{array}{r} 15 \\ + \\ 7 \end{array}$$

$$\begin{array}{r} 11 \\ - \\ 3 \end{array}$$

$$\begin{array}{|c|c|c|} \hline \square & \square & \square \\ \hline \end{array}$$

 hundreds tens ones
 3 4 6
 $346 = 300 + 40 + 6$

- sketches of word problems

Algorithms/Diagrams

Change diagram

Partial Sums

$$\begin{array}{r} 35 \\ + 06 \\ \hline 41 \end{array}$$

Tens ones

$$\begin{array}{|c|c|} \hline \text{III} & \text{IIII} \\ \hline \end{array}$$

50 + 11

Answer 61 books

24 01 00

Total

Total	
part	part

Connections (Real World Applications)

- understanding addition and subtraction being the inverse of each other
- lunch count
- planning a birthday party
- playing a game and keeping score

<p>Explain.</p> <p>Describe.</p>	<p style="text-align: center;"><u>Language Functions/Structures</u></p> <p>There are _____ hundreds, _____ tens and _____ ones.</p> <p>_____ has _____ tens and _____ ones, _____ is greater than _____.</p> <p style="text-align: center;">(digit game)</p> <p>The equation/number model is _____.</p> <p>_____ plus _____ equals _____.</p>
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<p>addend</p> <p>sum</p> <p>add</p> <p>equation</p>	<p>Count on</p> <p>counting up</p> <p>making ten</p>	<p style="text-align: center;"><u>Vocabulary</u></p> <p>expanded notation</p> <p>number model</p>
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