

Y3 Addition and Subtraction

Addition

Varied fluency

(1) a)

H	T	O
● ●	●	● ● ● ●

Use the place value counters to complete the number sentences.

$214 - 3 = \square$

$214 + 3 = \square$

b)

Sarah thinks the chart shows $456 - 4$. Do you agree?

Hundreds	Tens	Ones
● ● ● ●	● ● ● ● ● ●	● ● ● ● ● ●

Explain why.

(2) Complete the answer to these addition calculations using the real story to help you:

Real story

Maths story

$225 + 8 =$

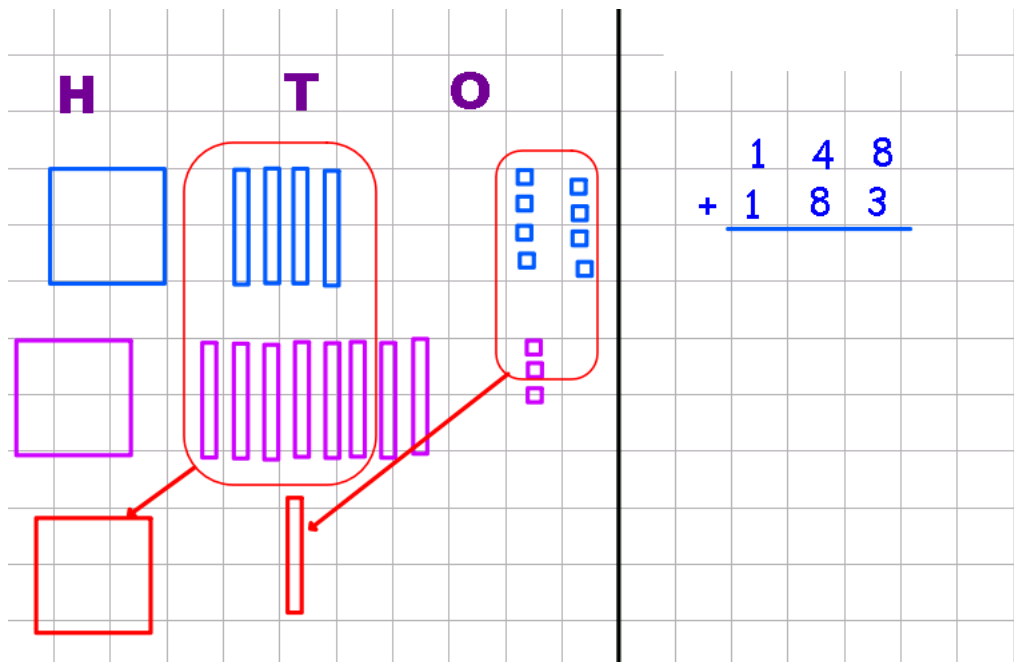
$$\begin{array}{r}
 225 \\
 + \quad 8 \\
 \hline
 \end{array}$$

①

Real story

Maths story

	H	T	O
	2	2	5
+		5	0



(3) Look at these calculations. Work out the missing numbers:

a)

	H	T	O
	4	5	3
+2	<input type="text"/>	0	
	<u>7</u>	<u>3</u>	<u>3</u>


b)

	H	T	O
	5	9	4
+2	<input type="text"/>	3	
	<u>8</u>	<u>4</u>	<u>7</u>

Reasoning

(4)

$$306 + 300 = 906 - 300$$



Sammy

Is she correct?

Explain how you know.

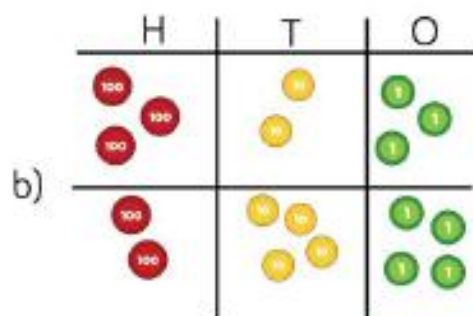
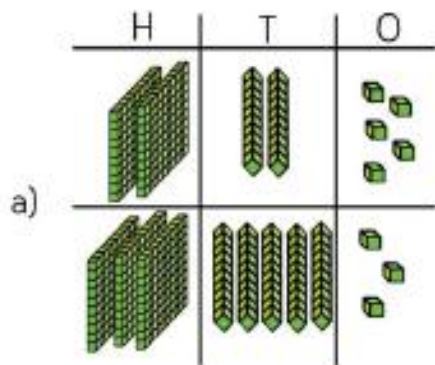
Explain the mistake Joey has made

(5)

	H	T	O
	2	3	1
+63			
	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>

(6)

Which creates an answer of 567?



Problem solving

(7)

Here are three cards



Rosie and Jim make 3 digit numbers using each card once.

Rosie



I have made the greatest possible number

I have made the smallest number possible

Jim



Work out the total of the two numbers.

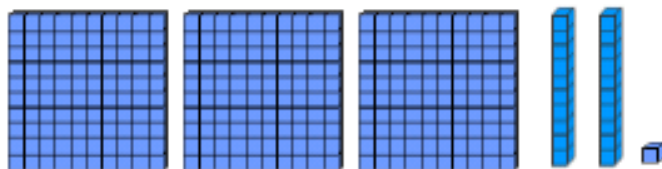
Subtraction:
Varied Fluency

(1)

<p style="background-color: #e0ffe0; display: inline-block; padding: 2px;">Real story</p>	<p style="background-color: #e0ffe0; display: inline-block; padding: 2px;">Maths story</p>
<div style="display: flex; justify-content: space-around; margin-bottom: 10px;"> H T O </div>	<p style="background-color: yellow; display: inline-block; padding: 2px;">$274 - 129 =$</p> $\begin{array}{r} 274 \\ - 129 \\ \hline \end{array}$

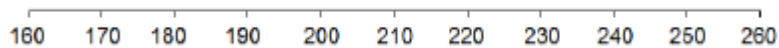
(2)

Using Base 10 solve $321 - 4$



(3)

Count back in tens to solve the calculation $240 - 70$

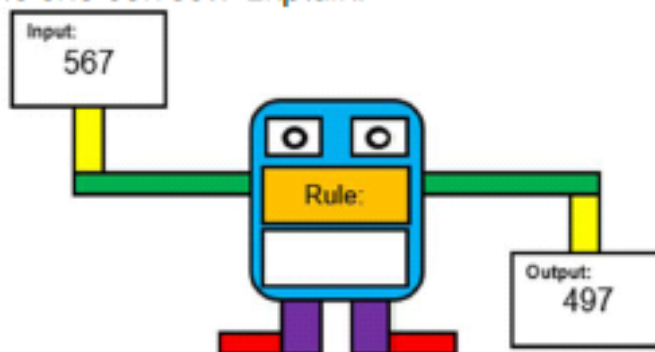


Reasoning


(4)

Sally thinks the rule for the function machine is subtract 60

Is she correct? Explain.

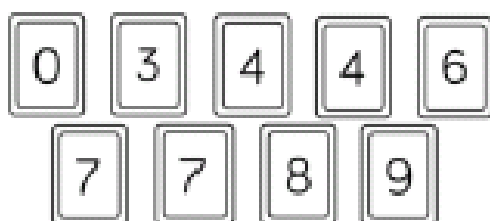


(5) Work out the missing digits:

	5		¹ 3
-	2	1	8
<hr/>			
	3	1	5

Problem solving

(6) Use the digit cards to complete the calculation



-		
<hr/>		

The digits in the shaded boxes are odd.

Is there more than one answer?

Answers to this one are on the back of this sheet!

Answers to addition examples:

(1) a) 211, 217

b) No, she crossed off tens instead of ones.

(2) 233, 315, 331

(3) a) 8 b) 5

(4) Yes, each side equals 606

(5) 63 in wrong columns

(6) b

(7) 666

Subtraction:

(1) 145

(2) 317

(3) 170

(4) No, it is -70

(5) 3

(6)

Possible answers:

$$987 - 647 = 340$$

$$879 - 473 = 406$$