

<p>Find the missing numbers in the addition.</p> $\begin{array}{r} _4 \\ + 2 _ \\ \hline 62 \end{array}$	<p>Harry has 357 stickers, John has 263. How many do they have altogether? If Harry gives John 83 stickers, how many do they have each now?</p>	<p>Write down three numbers that add up to make 247.</p> $_ + _ + _ = 247$ <p>Write down a different set of numbers that add up to 247.</p>	<p>I think of a number. I divide by 2 and add 98. My answer is 100. What was my number?</p>	<p>Is it magic? Think of a number. Multiply it by 5. Double it. Add 2. Subtract 2. Halve it. Divide it by 5. Have you got back to your original number? Is this magic? Can you work out what has happened?</p>
REASONING	FLUENCY	FLUENCY	PROBLEM SOLVING	PROBLEM SOLVING
<p>Colin says 'If I add two numbers together I can check my answer by taking them away afterwards. So to check $3 + 4$, I can do $4 - 3$. 'Is he right? Explain Colin's thinking.</p>	<p>There are mistakes in the following calculation. Explain the mistake and then make a correction to find the correct answer.</p> $\begin{array}{r} 782 \\ -435 \\ \hline 353 \end{array}$	<p>Molly went swimming every day for 5 days. She swam 80 lengths during the 5 days. Each day she swam 4 less lengths than the day before, how many lengths did she swim each day?</p>	<p>Three pandas ate 25 bamboo sticks. Each of them ate a different odd number of bamboo sticks. How many bamboo sticks did they each eat? Find as many ways as you can to do it.</p>	<p>Always, Sometimes or Never?</p> <p>When you add 7 to a number ending in 8 your answer ends with 5. Explain your answer.</p>
REASONING	REASONING	PROBLEM SOLVING	PROBLEM SOLVING	REASONING
<p>The answer to the addition is 201. All the digits used are either 1 or 9. Fill in the gaps.</p> $201 = _ + _ + _$ <p>Can this be done more than one way? Convince me.</p>	<p>Hannah has baked 45 cakes for a bun sale. She sells 18 cakes. How many does she have left? Double check your answer by using an addition.</p>	<p>Which questions are easy, which are hard?</p> $453 + 10 = 930 - 100 =$ $493 + 10 = 910 - 120 =$ <p>Why are some easy and some hard? Explain your reasons.</p>	<p>Are these number sentences true or false?</p> $396 + 6 = 412$ $504 - 70 = 444$ $556 + 150 = 706$ <p>Explain your answers.</p>	<p>Always, Sometimes or Never?</p> <ul style="list-style-type: none"> - 2 odd numbers add up to make an even number. - 3 odd numbers add up to make an even number. - Adding 8 to a number ending in 2 makes a multiple of 10.
PROBLEM SOLVING	FLUENCY	REASONING	REASONING	FLUENCY

YEAR 3 – Addition and Subtraction

Estimate the answer to a calculation and use inverse operations to check answers.

Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.

Add and subtract numbers mentally, including: a three-digit number and ones; a three-digit number and tens; a three digit number and hundreds.