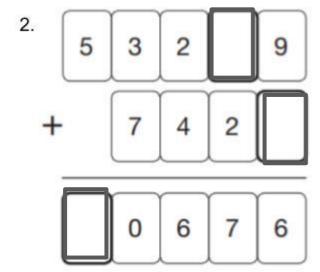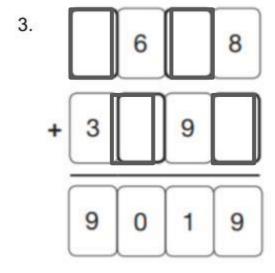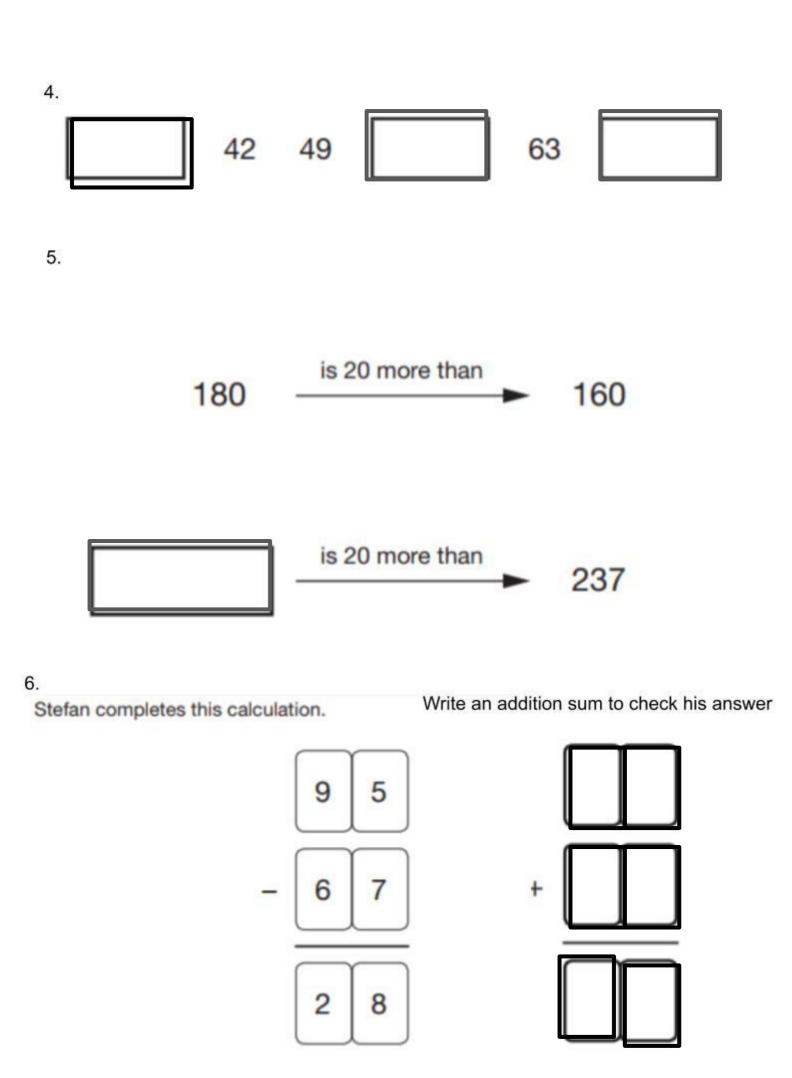# Monday 21st September 2020

Maths

1. Adam wants to use a mental method to calculate 182 – 97

He starts from 182

Here are some methods that Adam could use.

add 3 then subtract 90 ☐

subtract 100 then add 3 ☐

subtract 7 then subtract 90 ☐

subtract 3 then subtract 100 ☐

2.

5	3	2	☐	9

+ 7 4 2 ☐

☐ 0 6 7 6

3.

☐ 6 ☐ 8

+ 3 ☐ 9 ☐

9 0 1 9

4.

| | 42 | 49 | | 63 | |

5.

$$180 \xrightarrow{\text{is 20 more than}} 160$$

$$\boxed{} \xrightarrow{\text{is 20 more than}} 237$$

6.

Stefan completes this calculation.   Write an addition sum to check his answer

$$
\begin{array}{cc}
  & 9\ 5 \\
- & 6\ 7 \\
\hline
  & 2\ 8 \\
\end{array}
\qquad
+ \ \boxed{}
$$

Extra

Annie, Mo and Alex are working out the solution to the calculation 6,374 + 2,823

Annie's Strategy

$6,000 + 2,000 = 8,000$
$300 + 800 = 110$
$70 + 20 = 90$
$4 + 3 = 7$
$8,000 + 110 + 90 + 7 = 8,207$

Mo's Strategy

	6	3	7	4
+	2	8	2	3
	8	1	9	7

Who is correct?

Alex's Strategy

	6	3	7	4
+	2	8	2	3
				7
			9	0
	1	1	0	0
	8	0	0	0
	9	1	9	7

[   ]

What is the missing 4-digit number?

	Th	H	T	O
	☐	☐	☐	☐
+	6	3	9	5
	8	9	4	9