

Steps to success

Lockdown work	
Date	4.3.21
Subject/s	Maths (Lockdown revision session)
Learning Objective	To be able to add and subtract large numbers.



SA	TA

Success Criteria 	I can use written methods to add and subtract.		
	I can use my knowledge of place value to add and subtract.		
Support	Independently	Support ()	Group work

Pre-task:

Use counters and a place value grid to calculate $3,242 + 2,213$

1,000s	100s	10s	1s

Fluency

Mr and Mrs Vroom have gone to the garage to buy a new car each to get to work in. Below are some of the cars they could buy. Calculate the costs of different combinations of cars.



Red £3625	Blue £2814	Grey £4132	Silver £5892	White £3145	Black £3532
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1 Silver & White

$$\begin{array}{r}
 \text{£ } 5 \ 8 \ 9 \ 2 \\
 + \text{£ } 3 \ 1 \ 4 \ 5 \\
 \hline
 \text{£ }
 \end{array}$$

2 Black & Silver

$$\begin{array}{r}
 \text{£ } 3 \ 5 \ 3 \ 2 \\
 + \text{£ } 5 \ 8 \ 9 \ 2 \\
 \hline
 \text{£ }
 \end{array}$$

3 Black & Grey

$$\begin{array}{r}
 \text{£ } 3 \ 5 \ 3 \ 2 \\
 + \text{£ } 4 \ 1 \ 3 \ 2 \\
 \hline
 \text{£ }
 \end{array}$$

4 Grey & White

$$\begin{array}{r}
 \text{£ } 4 \ 1 \ 3 \ 2 \\
 + \text{£ } 3 \ 1 \ 4 \ 5 \\
 \hline
 \text{£ }
 \end{array}$$

5 White & Blue

$$\begin{array}{r}
 \text{£ } 3 \ 1 \ 4 \ 5 \\
 + \text{£ } 2 \ 8 \ 1 \ 4 \\
 \hline
 \text{£ }
 \end{array}$$

6 Grey & Blue

$$\begin{array}{r}
 \text{£ } 4 \ 1 \ 3 \ 2 \\
 + \text{£ } 2 \ 8 \ 1 \ 4 \\
 \hline
 \text{£ }
 \end{array}$$

Each of the vehicles below are on a journey. Each have completed part of the journey, but still have a long way to travel. Use column subtraction to calculate how much further each one has to travel to arrive at their destination.



Aeroplaner
 Journey: 3470 miles
 Completed so far: 2140 miles

$$\begin{array}{r} 3470 \\ - 2140 \\ \hline \\ \hline \end{array}$$

Remaining distance: _____



Bus
 Journey: 7845 miles
 Completed so far: 3623 miles

$$\begin{array}{r} 7845 \\ - 3623 \\ \hline \\ \hline \end{array}$$


Remaining distance: _____



Truck
 Journey: 7403 miles
 Completed so far: 4189 miles

$$\begin{array}{r} 7403 \\ - 4189 \\ \hline \\ \hline \end{array}$$

Remaining distance: _____



Car
 Journey: 6074 miles
 Completed so far: 4638 miles

$$\begin{array}{r} 6074 \\ - 4638 \\ \hline \\ \hline \end{array}$$

Reasoning and problem-solving:



Jack says,



When I add two numbers together I will only ever make up to one exchange in each column.

Do you agree?

Explain your reasoning.



Complete:

	Th	H	T	O
	6	?	?	8
+	?	?	8	?
	9	3	2	5

Mo says that there is more than one possible answer for the missing numbers in the hundreds column.

Is he correct?

Explain your answer.