

Addition

Column Addition

Activity 1

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

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

7 Silver & Red

$$\begin{array}{r}
 \text{£ } 5 \ 8 \ 9 \ 2 \\
 + \text{£ } 3 \ 6 \ 2 \ 5 \\
 \hline
 \text{£}
 \end{array}$$

8 Black & Blue

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

9 Blue & Silver

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

Mr and Mrs Vroom have a budget of £7000. Which combinations of cars could they afford to buy?

Activity 2

Oh dear! Henry's little brother has been playing with stickers and has stuck some stars on Henry's addition homework. Help Henry by calculating the missing numbers in the homework. The first one has been completed.

$$\begin{array}{r}
 1 \ 3 \ \star \ 8 \\
 + \ 3 \ 6 \ 2 \ 3 \\
 \hline
 4 \ 9 \ 5 \ 1 \\
 \hline
 1
 \end{array}$$

$$\begin{array}{r}
 6 \ 5 \ 1 \ 8 \\
 + \ \star \ 2 \ 7 \ 4 \\
 \hline
 8 \ 7 \ 9 \ 2 \\
 \hline
 1
 \end{array}$$

$$\begin{array}{r}
 3 \ 7 \ 2 \ \star \\
 + \ 2 \ \star \ 5 \ 1 \\
 \hline
 6 \ 1 \ 7 \ 9 \\
 \hline
 1
 \end{array}$$

$$\begin{array}{r}
 7 \ 2 \ \star \ 6 \\
 + \ \star \ 4 \ 8 \ 1 \\
 \hline
 9 \ 7 \ 1 \ \star \\
 \hline
 1
 \end{array}$$

$$\begin{array}{r}
 2 \ 8 \ 6 \ \star \\
 + \ 5 \ \star \ 8 \\
 \hline
 3 \ 4 \ 1 \ 2 \\
 \hline
 1 \ 1 \ 1
 \end{array}$$

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

$$\begin{array}{r}
 \star \ 2 \ 6 \ 7 \\
 + \ 3 \ 2 \ \star \ 5 \\
 \hline
 8 \ 5 \ 0 \ 2 \\
 \hline
 1 \ 1
 \end{array}$$

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

$$\begin{array}{r}
 2 \ 7 \ 4 \ \star \\
 + \ 3 \ \star \ 2 \ 3 \\
 \hline
 6 \ 3 \ 6 \ 8 \\
 \hline
 1
 \end{array}$$

Challenge

3765 is an answer. Calculate three ways to make the answer for this sum and fill in the calculations.

$$\begin{array}{r}
 \square \ \square \ \square \ \square \\
 + \ \square \ \square \ \square \ \square \\
 \hline
 3 \ 7 \ 6 \ 5 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \square \ \square \ \square \ \square \\
 + \ \square \ \square \ \square \ \square \\
 \hline
 3 \ 7 \ 6 \ 5 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \square \ \square \ \square \ \square \\
 + \ \square \ \square \ \square \ \square \\
 \hline
 3 \ 7 \ 6 \ 5 \\
 \hline
 \end{array}$$