Can I position digits to add?

1.

BUILD

Spot the mistake for each column addition calculation:

Example 1:

```
  7 4 1
+   5 2
-------
  8 9 3
```

Example 2:

```
  2 1 3
+   7 4
-------
  9 5 3
```

Example 3:

```
  7 1 5
+   9 2
-------
  8 0 3
```

2.

TASK

Use the digits 0-9 to complete the calculation.
You can use each digit only once. There will be two digits left.

```
□ □ □
+   □ □
-------
□ □ □
```

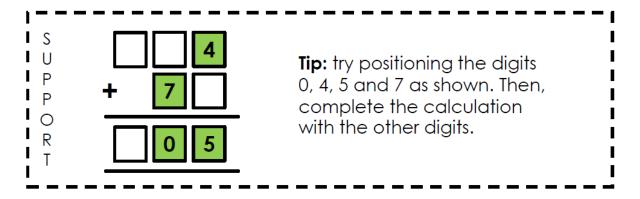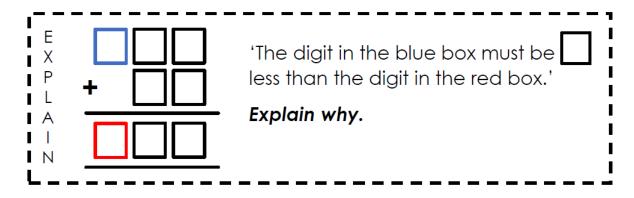0 2 4 6 9
1 3 5 7 8

Remember: there are two digits leftover when you complete questions 3, 4 and 5.

3.

SUPPORT

```
□ □ 4
+ 7 □
-------
□ 0 5
```

Tip: try positioning the digits 0, 4, 5 and 7 as shown. Then, complete the calculation with the other digits.

4.

$$\begin{array}{r} \boxed{}\ \boxed{}\ \boxed{} \\ +\quad\ \boxed{}\ \boxed{} \\ \hline \boxed{}\ \boxed{}\ \boxed{} \\ \hline \end{array}$$

'The digit in the blue box must be $\boxed{}$ less than the digit in the red box.'

Explain why.

5.

It is **impossible** to complete these examples with the digits positioned as shown. ***Explain why.***

Example 1:

$$\begin{array}{r} 6\ \ 3\ \ \boxed{} \\ +\quad 8\ \ 0 \\ \hline 7\ \ 1\ \ \boxed{} \\ \hline \end{array}$$

Example 2:

$$\begin{array}{r} \boxed{}\ \ 5\ \ 1 \\ +\quad 4\ \ 2 \\ \hline \boxed{}\ \ 9\ \ 3 \\ \hline \end{array}$$

Example 3:

$$\begin{array}{r} \boxed{}\ \ 7\ \ 2 \\ +\quad 8\ \ 4 \\ \hline \boxed{}\ \ 5\ \ 6 \\ \hline \end{array}$$