

Adding Decimals

LO: To be able to add using the column method.

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I bought a new app costing
£3.22 and a new phone case
which cost £5.71

How much did I spend in total?

I want to add £3.22 and £5.71

WHAT HAVE I DONE WRONG HERE?

£3.22

+ £5.71

£3.791

LO: To be able to add using the column method

The **golden** rule:

- Look after your pet decimal point!
- The decimal points **MUST** be kept in their own box and in their own column so as they can survive!

$$\begin{array}{r} \text{£}3.22 \\ + \text{£}5.71 \\ \hline \text{£}8.93 \end{array}$$

£2.52

+ £4.34

£6.86

£4.18

+ £3.75

£7.93

1

£5.26

+ £4.49

£9.75

1

£2.89

+ £1.58

£4.47

1 1

This technique doesn't just work for money. It works for any decimal addition as long as you keep the decimal points in their own column.

$$\begin{array}{r} 3.57 \\ + 5.49 \\ \hline 9.06 \\ \begin{array}{cc} 1 & 1 \end{array} \end{array}$$

2.70

Sometimes it helps to introduce a place holder zero, so that each number has the same number of DECIMAL PLACES.

+ 5.46

8.16

1

$$\begin{array}{r} 5.59 \\ + 3.50 \\ \hline 9.09 \\ \text{\scriptsize 1} \end{array}$$

This place holder zero can only ever be put on the very beginning or the very end.

LO: To be able to add using the column method

The **golden** rule:

- The decimal points **MUST** be kept in their own box and in their own column so as they can survive!
- Where necessary, add place holder zeros to help.