Addition

Skill: Add numbers with more than 4 digits	Year: 5/6
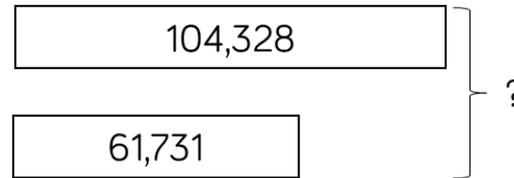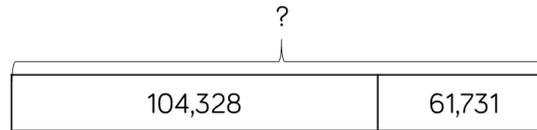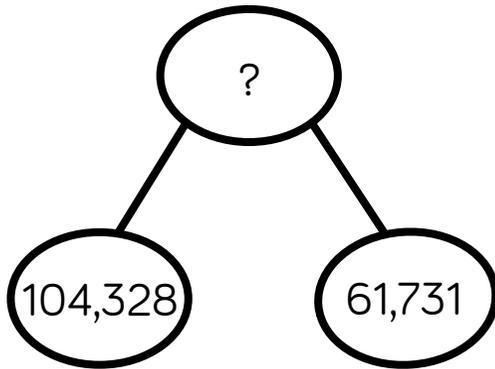
$$104{,}328 + 61{,}731 = 166{,}059$$

HTh	TTh	Th	H	T	O

1	0	4	3	2	8
+	6	1	7	3	1
1	6	6	0	5	9
			1		

Place value counters or plain counters on a place value grid are the most effective concrete resources when adding numbers with more than 4 digits.

At this stage, children should be encouraged to work in the abstract, using the column method to add larger numbers efficiently.

Skill: Add with up to 3 decimal places	Year: 5

2.41   3.65

?

?

3.65   2.41

3.65

2.41

?
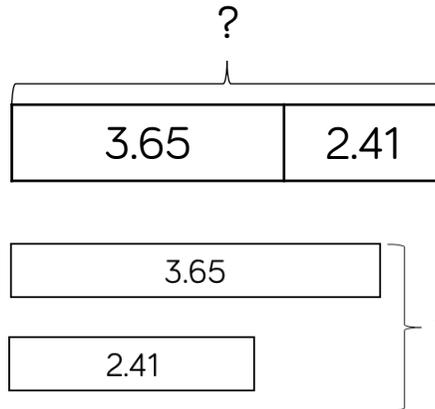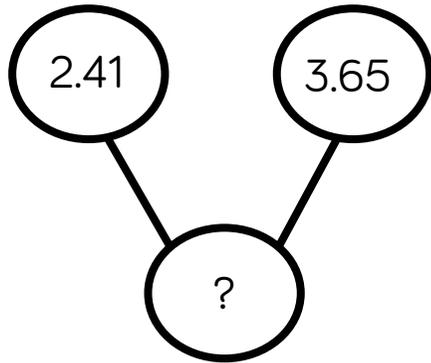
$$3.65 + 2.41 = 6.06$$

$$
\begin{array}{r}
3.65 \\
+\ 2.41 \\
\hline
6.06 \\
\hline
1
\end{array}
$$

Ones	Tenths	Hundredths
1 1 1	0.1 0.1 0.1 0.1 0.1 0.1	0.01 0.01 0.01 0.01 0.01
1 1	0.1 0.1 0.1 0.1	0.01
1		

Ones	Tenths	Hundredths
●●●	●●● ●●●	●●● ●●
●●	●●● ●	●
●		
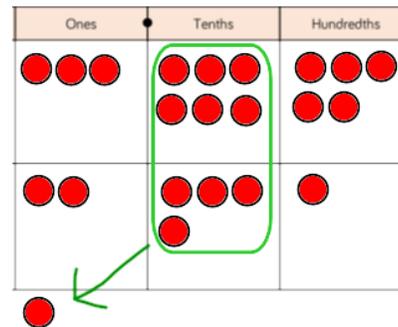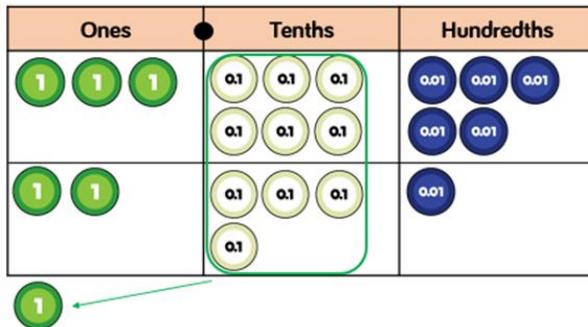
Place value counters and plain counters on a place value grid are the most effective manipulatives when adding decimals with 1, 2 and then 3 decimal places.

Ensure children have experience of adding decimals with a variety of decimal places. This includes putting this into context when adding money and other measures.