

Rank by difficulty

$$49 + 48$$

$$56 + 42$$

$$73 + 49$$

Rank by difficulty

$$247 + 65$$

$$364 + 235$$

$$273 + 98$$

Mental or written?

$$34 + 25 + 22$$

$$82 + 39$$

$$83 + 82$$

$$55 + 27 + 15$$

Mental or written?

$$1\,062 + 1\,251$$

$$375 + 125$$

$$534 + 399$$

$$4\,085 + 46$$

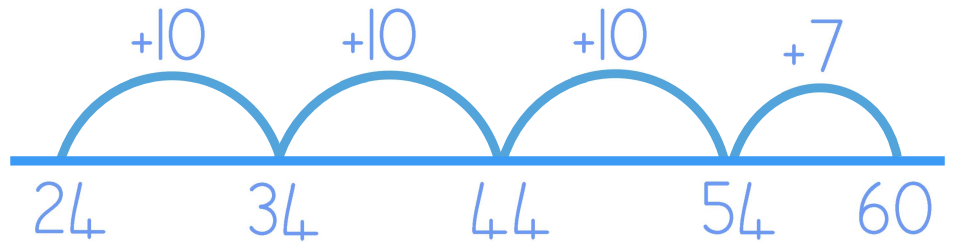
Explain the mistakes

$$24 + 37$$

Mistake 2

$$\begin{array}{r} 1 \\ 24 \\ + 37 \\ \hline 51 \end{array}$$

Mistake 1



Mistake 3

$$24 + 37 = 511$$

Gold, silver, bronze

Here are three ways of calculating $36 + 29 + 14$

Method 1

$$\begin{array}{r} 1 \\ 36 \\ + 29 \\ \hline 65 \end{array} \quad \begin{array}{r} 65 \\ + 14 \\ \hline 79 \end{array}$$

Method 2

$$\begin{aligned} 36 + 30 &= 66 \\ 66 - 1 &= 65 \\ 65 + 14 &= 79 \end{aligned}$$

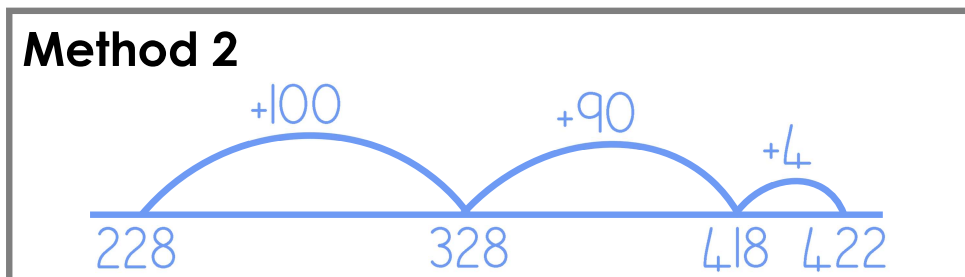
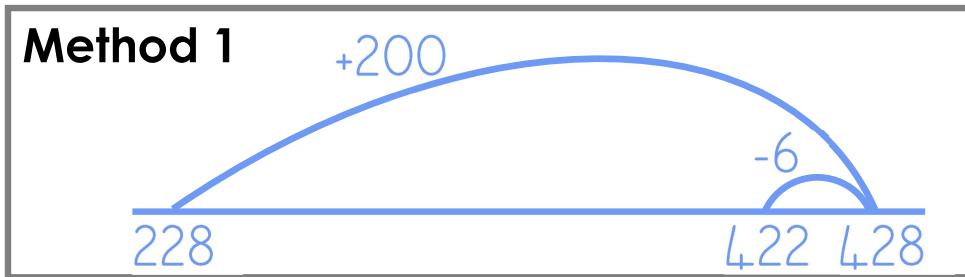
Method 3

$$\begin{aligned} 36 + 14 &= 50 \\ 50 + 29 &= 79 \end{aligned}$$

Rank each method as gold, silver or bronze.

Gold, silver, bronze

Here are three ways of calculating **228 + 194**



Method 3

$$\begin{array}{r} 228 \\ +194 \\ \hline 422 \end{array}$$

Rank each method as gold, silver or bronze.

Missing digits

$$\begin{array}{r} 8 \square \\ + \square 4 \\ \hline \square 3 2 \end{array}$$

Fill in the missing digits.

Missing digits

$$\begin{array}{r}
 \square 9 \square \\
 + \square \square 6 \\
 \hline
 349 \\
 \hline
 \end{array}$$

Fill in the missing digits.

Missing digits

$$\begin{array}{r}
 73\square \\
 + \square 46 \\
 \hline
 \square 0\square 5 \\
 \hline
 \end{array}$$

Fill in the missing digits.

How many ways?

$$\begin{array}{r} \square 8 \\ + 2 \square \\ \hline \square \square 6 \end{array}$$

Fill in the missing digits.

Level 1: I can find a way

Level 2: I can find different ways

Level 3: I know how many ways there are

How many ways?

$$\begin{array}{r} \square 3 \square \\ + \square 4 \\ \hline \square \square \square 1 \end{array}$$

Fill in the missing digits.

Level 1: I can find a way

Level 2: I can find different ways

Level 3: I know how many ways there are

Investigate

Stage 1: complete using digits 0-9 (use each digit no more than once)

$$\square\square\square + \square\square = \square\square\square$$

Stage 2: complete using digits 0-9 (use each digit no more than once) and with the digit 9 in this position:

$$\square\square 9 + \square\square = \square\square\square$$