Choose the most appropriate method: mental strategies, formal written or calculator
a) Estimate the answer to $627+99$
b) Use the column method to work out $627+99$

|  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  |  | 6 | 2 | 7 |
|  | + | 9 | 9 |  |
|  | 7 | 2 | 6 |  |
|  |  | 1 | 1 |  |

c) Complete the number line.


How does the number line represent $627+99$ ? Discuss with a partner.
d) Which method is more efficient?

Discuss it with a partnera) Estimate the answer to 4,312-567

```
3,700
```

b) Use the column method to work out 4,312-567

c) Complete the number line.


How does the number line represent 4,312-567?
d) Which method is more efficient?
a) Work out $£ 10.00-£ 2.58$ using a column method.

$$
\begin{array}{r}
0{ }^{9} \theta^{9} \cdot \theta^{\prime} 0 \\
-\quad 2 \cdot 58 \\
\hline 7 \cdot 42
\end{array}
$$


b) Explain why Teddy is correct.

The difference is the same
c) Use a column method to work out $£ 9.99$ - $£ 2.57$

$$
\begin{array}{r}
9.99 \\
-2.57 \\
\hline 7.42 \\
\hline
\end{array}
$$

d) Which column subtraction was easier? Why?
$\square$

Adapt Teddy's method to work out the answers to these calculations.
a) $£ 20-£ 12.43=67.57$
c) $1,000-421$
579
b) $10,000-6,274=3,726$
d) $3,000-1,421=1,579$

Write the answers to these calculations.
a) 3 million +5 million $=8$ million
b) 7 billion -2 billion $=5$ bulion
c) 47 thousand +100 thousand $=147$ thou sand
d) 600 million -400 million $=200$ million

Discuss with a partner why you did not need a calculator for these calculations even though the numbers are large.

Decide whether a mental, formal written or calculator method would be best for each calculation.

Circle your choice and then use your chosen method to find the answer.
a) How much change should you get from $£ 10$ if you spend $£ 3.47$ ?

$$
\begin{array}{lc}
\text { mental formal written } & \text { calculator } \\
& \text { change }=\boxed{E} .53
\end{array}
$$

b) Mo buys a new TV for $£ 599$ and a new phone for $£ 699$. How much does he spend altogether?
mental
formal written
calculator
total spend $=$

```
E1,298
```

c) $63,476+87,916$
mental
formal written
calculator

