Use known facts
What's the same and what's different?
$6+4=$
$60+40=$
$66+4=$
$666+4=$
$600+400=$

Known facts and place value
$282+7$
I know that $2+7=9$
So $282+7=289$
Adjust
$234+99$ - add 100 then

$$
\text { subtract } 1
$$

$367-39$ - subtract 40 then add 1

Estimate
$141+58$ is approximately
$140+60$

## Representations to support addition and subtraction

These structures show the relationship between addition and subtraction.


## Fluency

Add three numbers to total 247
__+__+__ = 247
Now find a different three numbers


Money Problems Shivam buys 2 pencils that cost 29p each. How much change will he get from $£ 1$ ?

We can use equipment to find the total of 2 numbers. This supports the conceptual understanding before moving to formal methods.

leading to

| $\mathbf{H}$ | T | O |
| :---: | :---: | :---: |
| 200 | 40 | 7 |
| +100 | 20 | 5 |
| 300 | 60 | 12 |$=372$

## 908 <br> $-305$ <br> 603



Equipment can also support subtraction.

