

### PROBLEM SOLVING 1

Millie and Darcey set out to collect 600 food items for their Harvest assembly.



On Monday they collected 37 items.

On Tuesday they collected double Monday's total.

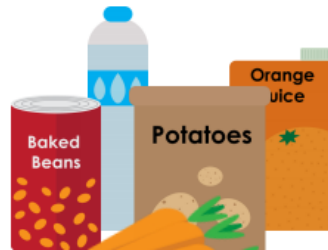
By Wednesday they had 219 items.

On Thursday, they collected  $\frac{2}{3}$  of the items collected on Wednesday.

On Friday morning, they collected 3 times more than Thursday's total.



How many food items did they need to meet their initial total?



### REASONING 1

Spot the mistake.

The sum of 2 numbers is 56 The difference between them is 8.

What are the numbers?

56	
$28 + 8 = 36$	28

### REASONING 2

Jane is thinking of a number, she adds 21 then multiplies by 4. Her answer is 152.

This is how Jerry tried to work out Jane's number.

$$152 \div 4 = 38$$

$$38 + 21 = 59$$



Can you spot his mistake?

### REASONING 3

#### Who is correct?

Jane has 30p more than Alfie. Together they have £5.86.

How much money does each person have?



I will divide £5.86 in half then subtract 30p. That will tell me how much money Alfie has.

I will add half of 30p to half of £5.86. That will tell me how much money Jane has.



**Explain how you know.**