

# Some mathematical thinking for you!

## Pet shop



- Jim bought a cat and dog for £60 each.  
 Later he sold them.  
 He made a profit of 20% on the dog.  
 He made a loss of 20% on the cat.  
 How much did he get altogether when he sold the cat and dog?
- Jim bought another cat and dog.  
 He sold them for £60 each.  
 He made a profit of 20% on the dog.  
 He made a loss of 20% on the cat.  
 Did he make a profit or loss on the whole deal?

## Shape puzzle

Each shape stands for a number.

The numbers shown are the totals of the line of four numbers in the row or column.

▲	♣	▲	●	<input type="text"/>
♣	●	♣	▲	25
●	●	●	●	20
▲	♣	♣	▲	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	26	

Find the remaining totals.