## Challenge

Although there are other factors that may affect what colour eyes you have, in general, you inherit your eye colour from your parents.

Parent 1	Parent 2			Likelihood of child's		
				eye colour		
	+		=			
	1.0			75%	19%	
	+		=			
				50%	38%	J
	+		=			
				50%	0%	

Look at the chart above. Work out the likelihood of a child's eye colour being blue.

Explain how you worked out the missing percentages.

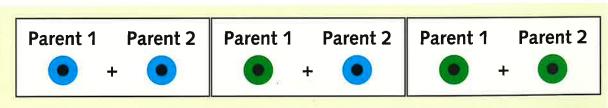
## Think about ...

Show any calculations you've done - even if the calculations involved mental strategies.



## What if?

Match each set of parents' eyes with a set of possible child's eye colour.



Likelihood of child's eye colour

0% 50% 50% Likelihood of child's eye colour

25% 0% 75%

Likelihood of child's eye colour

99% 0%

Explain how you matched the set of parents' eyes with the set of child's eyes.

When you've finished, turn to page 80.

