



### Challenge



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



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.

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

### 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.

Parent 1	+	Parent 2		Parent 1	+	Parent 2		Parent 1	+	Parent 2	
	+				+				+		
Likelihood of child's eye colour				Likelihood of child's eye colour				Likelihood of child's eye colour			
0%	50%	50%		0%	75%	25%		0%	1%	99%	

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

When you've finished, turn to page 80.

