"Who's Your Daddy?"

ADVANCED SOLUTION

In order to match these babies with their proper parents, you must first determine the babies' possible genotypes for each trait. Use the following symbols to represent the dominant and recessive alleles.

W = widow's peak	w = no widow's peak
E = free earlobes	e = attached earlobes

BABY GENOTYPES

TRAIT	BABY 1	BABY 2	BABY 3
Widow's Peak			
Earlobes			
Blood Type			

THE LEELS

Determine the Leel's possible genotypes for each trait.

TRAIT	Al Leel	Allie Leel
Widow's Peak		
Earlobe		
Blood Type		

Now, determine the possible genotypes of the babies born to the Leels. Use Punnett squares if you need.

TRAIT	POSSIBLE BABY GENOTYPES
Widow's Peak	
Earlobes	
Blood Type	

Compare the possible genotypes with the genotypes of the three evacuated babies. Which babies can possibly belong to the Leels?
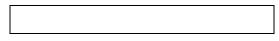

THE HAYES

Determine the Haye's possible genotypes for each trait.

TRAIT	Arron Haye	Dina Haye
Widow's Peak		
Earlobe		
Blood Type		

Now, determine the possible genotypes of the babies born to the Hayes. Use Punnett squares if you need.

TRAIT	POSSIBLE BABY GENOTYPES
Widow's Peak	
Earlobes	
Blood Type	

Compare the possible genotypes with the genotypes of the three evacuated babies. Which babies can possibly belong to the Haye's?

THE POOLES

Determine the Poole's possible genotypes for each trait.

TRAIT	Gene Poole	Fallen Poole
Widow's Peak		
Earlobe		
Blood Type		

Now, determine the possible genotypes of the babies born to the Pooles. Use Punnett squares if you need.

TRAIT	POSSIBLE BABY GENOTYPES
Widow's Peak	
Earlobes	
Blood Type	

Compare the possible genotypes with the genotypes of the three evacuated babies. Which babies can possibly belong to the Poole's?

Based on all the information you have gathered, indicate which babies belong to each set of parents?

PARENTS	BABY
LEELES	
HAYES	
POOLES	