

esi:

WIC
EDITION



A Case for Baby Steps:

MATERNITY MIX UP

CSI: Maternity Mix Up

- 11 babies have been born at the hospital in the past few days. The hospital does not participate in Baby Steps and does not allow for rooming in.
- New parents, Logan and Diana, want to take their baby home but are not allowed to yet because someone has taken all the ID bracelets off of the 11 newborns.



CSI: Maternity Mix Up

- In order for CSI to properly identify and release the baby to the Reillys, DNA tests must be performed on all 11 babies, as well as Logan and Diana. Help CSI find Logan and Diana's baby.



Instructions

- Each table has a case folder that contains
 - DNA results for the 11 newborns
 - DNA profiles for Logan and Diana
 - Punnett Squares (remember biology class?)



Instructions

- The first team to accurately identify Logan and Diana's baby wins!!



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Instructions

- Narrow the DNA results of the newborns based on sex of the baby.



CLUE: Logan and Diana had a baby girl

Boy or Girl?



STR	D3S1358	vMA	FGA	AMEL	D8S1179	D21S11	D18S51	D5S818	D13S317	D7S820	D16S539	TH01	TPOX	CSF1PO
LOGAN	12,10	12,7	5,19	x,y	3,16	12,2	6,4	10,11	7,5	9,5	15,12	6,11	6,10	9,3
DIANA	10,16	12,5	18,6	x,x	10,8	11,18	13,11	10,11	6,10	17,4	7,5	12,9	11,17	3,16



Instructions

- Create a Punnett Square for Logan and Diana's possible combinations of DNA found at the VMA site.



STR	D3S1358	vMA	FGA	AMEL	D8S1179	D21S11	D18S51	D5S818	D13S317	D7S820	D16S539	TH01	TPOX	CSF1PO
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Instructions

- Eliminate newborns that do not match Logan and Diana's possible combinations
- Repeat the process for:
 - CSF1P0
 - D21S11
 - D16S539
 - (make a Punnett square for the parents' possible combinations, eliminate newborns that do not match)



Instructions



STR	D3S1358	vMA	FGA	AMEL	D8S1179	D21S11	D18S51	D5S818	D13S317	D7S820	D16S539	TH01	TPOX	CSF1PO
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