









ACTIVITY 28

DIRECTIONS: Fill in the chart using Y for yes or N for no as you solve the puzzle.


				
				
				
				
				





Two girls and two boys each received a cookie after lunch. Find out how much of his or her cookie each person ate.

1. The boy with a cap ate less cookie than either of the girls and half of what Zack ate.
2. The girl with the longer hair ate twice as much as Zack.

Answers

28.



	N ₁	N ₁	Y ₂	N ₂
	N ₁	N ₁	N ₂	Y ₂
	Y ₁	N ₁	N ₁	N ₁
	N ₁	Y ₁	N ₁	N ₁

Clue 1 states that the boy with the cap ate less cookie than either of the girls and half of what Zack ate, so he ate the smallest piece: a fourth of a cookie. Since the capped boy ate half of what Zack ate, then Zack ate half a cookie. Based on Clue 2, the longer-haired girl ate the whole cookie, leaving the short-haired girl chomping down on the remaining cookie piece: three-quarters of a cookie.