3. The two-way table below shows the number of students with each hair color and eye color.

		Hair Color					
		Black	Brown	Red	Blond	Total	
Eye Color	Brown	7	12	3	1	23	
	Blue	2	8	2	9	21	
	Hazel	2	5	1	1	9	
	Green	1	3	1	2	7	
	Total	12	28	7	13	60	

True or false? Provide data to support your claim.

a. Blonde students are more likely to have blue eyes than brown haired students.

Blandewith: 9 = 0.69 Blue ges 13 = 0.69

Brown Hain : 8 = 0.29



Green eyed students are as likely to have brown hair as brown eyed students are to have red b. hair. FALSE

Greeneyes: 3 = 0.43 Brain Hair 7

Branneyus: 3 = D.(3 Real Hoir 23

Students are four times as likely to have brown hair as they are to have red hair. C.

Brown Hair : 28 Red Hair: 7

RUE 28 = (4)7

FALSE

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d. Blonde haired students are much more likely to have light eyes (blue, hazel, green) than red haired students.

Blonde/Light eyes: 9+1+2 = 12 = 0.92 Red/Lighterer: 2+1+1=4=0.57 上った

Red haired students are less likely to have blue eyes than brown haired students. e.

Red/Blue eyes: = 0.29 Brown/Blue eyes: 5= 0.29

5. The table to the right gives information about numbers of students who do and don't do chores and do and don't collect allowance.

Are students who do not collect allowance more likely to not do chores?

No allowance/No chores: 4 No allowance/chores: 3 7

	Allowance	No Allowance		
Do Chores	13	3	16	
Do Not Do Chores	5	4	9	
	18	7	25	



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Is it more likely for a student who does not do chores to collect allowance than it is for a student who does chores?

NO chares/allavance: 5= 0.56 chores/allavance: 13 = 0.81

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What percent of all the students Do Chores and get Allowance?

13 = 0.52 = 52%