

Data in Tables

Worksheet

Mathematics

Mr Millar



Try This



Look at Binh and Zaki’s statements below.

Do you agree or disagree? Why?

Write your own similar statements.

	Glasses	No glasses
Year 7 students	45	57
Year 8 students	21	35
Year 9 students	39	51



This proves the hypothesis that younger people have better eyesight as Year 7 has the most students without glasses.

I don't think that we can say that is definitely the case...



Connect

What percentage of Year 7 students wear glasses?

What percentage of students are in Year 7?

What percentage of students are in Year 8 and wear glasses?

Which year group has the highest percentage of students with glasses?

	Glasses	No glasses	Total
Year 7 students	45	57	
Year 8 students	21	35	
Year 9 students	39	51	
Total			



Independent task

The table below shows the favourite sport played by some boys and girls in Year 8. Discuss what data you would need to test the hypotheses below.

Girls are more likely to prefer football to boys

Athletics is the most popular sport in the school

Swimming is the least popular sport

	Football	Swimming	Athletics	Other
Boys	7	4	6	3
Girls	10	2	12	6



Explore

Explore these statements.

This shape shows a strong negative correlation between maths and English grades

Students did better in maths than they did in English

50% of students got above grade 6 in both subjects

Grade in maths	9	1	1							
	8		2	2						
	7	1	1	1	2	1				
	6		1	2	3	2				
	5				1	1	3			
	4				1		1	1	1	
	3							2		
	2							1	1	
	1									
		9	8	7	6	5	4	3	2	1
		Grade in English								

