An Investigation Measurement 8-10a

5 marks if you

correctly.

marks.

complete the table

You lose a mark for each error. You may not lose as many marks if there is a repeated error. If you do not answer complete the table, **0**

What's the chance - II

Instructions

Work in pairs

2

- Follow the questions carefully. Read all instructions, including how to score marks.
- All solutions are to be written on this paper.

You are to throw a die <u>200 times</u> and record the results on the table below. Use the 'gate post' method for recording the tally. (Note: A die is singular [one] and dice is plural [more than one]). One person should throw the die while the other person records the results. You are required to complete the table below.
 This sample frequency distribution table shows the results of throwing a coin 20

This **sample** frequency distribution table shows the results of throwing a coin 20 times.

Result	Tally	Frequency
Head	HH IIII	9
Tail	HIT HIT I	11
	Total	20



Throwing of a die				
Result	Tally	Frequency		
1				
2				
3				
4				
5				
6				

 Total

 Use your answers for question 1 to answer the questions below.

For questions 3, 4, 5, 6 and 7

You are to throw two different coins <u>200 times</u> each and record the results seperately on the two tables below.

- Take turns with one person throwing the coin while the other person records the results.
- The questions in part 4 refer to the results of throwing the first coin (part 3) and
- The question in part 6 refer to the results of throwing the second coin (part 5)
- Compare the two sets of results in question 7.

3 You are to throw the first coin 200 times each and record the results table below. Use the 'gate post' method for recording the tally. One person should throw the coin while the other person records the results. You are required to complete the table below. You must describe the coin, including year and denomination.

		5 marks if you			
	Description	Denomination:	Date:		complete the table correctly.
	Result		Tally	Frequency	You lose a mark for
	Head				each error. You may not lose as many marks if there is a repeated error. If you do not answer complete the table, 0 marks.
	Tail				
				Total	
4	Use your answers	s for question 3 to answ	er the questions below	•	
a)	Are the results fo one)	r heads and tails for the YE	first coin approximately S/NO	y equal? (Cross out	Score the maximum of 5 marks if you answer each of the questions
b)	Explain briefly w	hy this result occurred?			correctly, according to your data. You lose a mark for each error. If you do not answer any of the questions, 0 marks.

5 You are to throw the second coin <u>200 times</u> each and record the results table below. Use the 'gate post' method for recording the tally. One person should throw the coin while the other person records the results. You are required to complete the table below. *You must describe the coin, including year and denomination.*

		Second Coin- 200 Throws					Score the maximum of 5 marks if you	
		Description	Denomination:		Date:			complete the table
		Result		Tally			Frequency	You lose a mark for
		Head						each error. You may not lose as many marks if there is a repeated error. If you do not answer complete the table, 0 marks.
		Tail						
						Total		
	* *							
6	Use	your answers	for question 5 to a	answer the que	estions b	elow.	ual? (Cross of	ut Score the maximum of
a)	one		i licaus and tans io	YES/NO	nii appio	xilliatery eq	ual: (C1055 0	5 marks if you answer
b)	Explain briefly why this result occurred?				each of the questions correctly, according to your data. You lose a mark for			
								each error. If you do not answer any of the questions, 0 marks.

	Use your answers for questions 3, 4, 5, 6 and 7 to answer the questions below .				
• to					
	Are the results for heads and tails for the second coin approximately equal? (Cross out	Score the maximum of			
	one) YES/NO	5 marks if you answer			
$ \mathbf{b} _{\mathbf{E}}$	Eveloin briefly why this regult a command?	correctly, according to			
É	Explain orienty why this result occurred?	your data.			
		You lose a mark for			
		each error.			
		any of the questions 0			
		marks.			