

Comparing Data Using Cumulative Frequency Graphs

Wordsearch versus Sudoku

Record the time it takes to find all the words listed in the **wordsearch** below.

S G T E G A R E V A G B D V
 E Y R T R P T E Z W A C T G
 L P G A A S R E P P U Q O R
 I U I D P O C P A M B S D O
 T L D F A H S G U E H I J U
 R S E F L T T L G D P H D P
 A J K O Y L A W F I Z X A E
 U K W L Z T T X R A N G E D
 Q E C Q I V I B N N M T R Q
 R C V V B N S M Q W E A P V
 E R E W J E T R T Y U B S I
 T R T I O A I S G K H L U L
 N K O D X Y C N E U Q E R F
 I P Y U N D S F Z H J X M C

Record the time you take to complete the sudoku puzzle below. Each row, column and 3x3 square must contain each of the numbers 1 to 9 once only.

	7			1	5			4
5	8	4	7	3		2	1	9
6				4	9		8	7
7		5				6	4	
	9		4	2	8		3	
	3	8	5	6				2
3	5		9	8				6
9	4		6	5	2	8	7	
	6		3	7	4		5	

STATISTICS	CUMULATIVE	FREQUENCY	MEDIAN
INTERQUARTILE	RANGE	UPPER	LOWER
TABLE	DATA	AVERAGE	SPREAD
GROUPED	GRAPH		

Time taken to complete wordsearch _____ min _____ sec

Time taken to complete sudoku _____ min _____ sec

Wordsearch Data

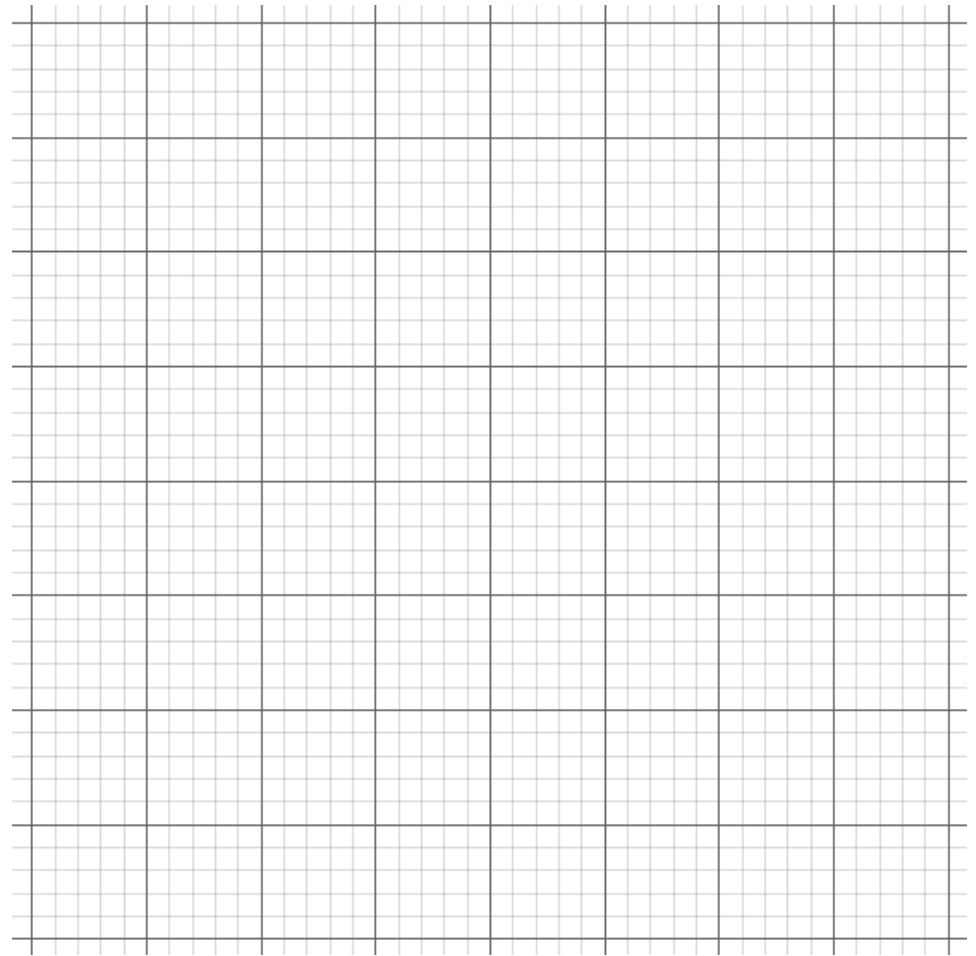
1. Complete a grouped frequency table, then find the cumulative frequencies.

Time (minutes)	Frequency	Cumulative Frequency

3. Find the median, lower quartile, upper quartile and interquartile range (IQR) for the wordsearch data from the cumulative frequency graph.

Median	
Lower Quartile	
Upper Quartile	
Interquartile Range	

2. Plot a cumulative frequency graph.



Sudoku Data

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Time (minutes)	Frequency	Cumulative Frequency

3. Find the median, lower quartile, upper quartile and interquartile range (IQR) for the wordsearch data from the cumulative frequency graph.

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