INTERPRETING LINE PLOTS SHEET 4:2
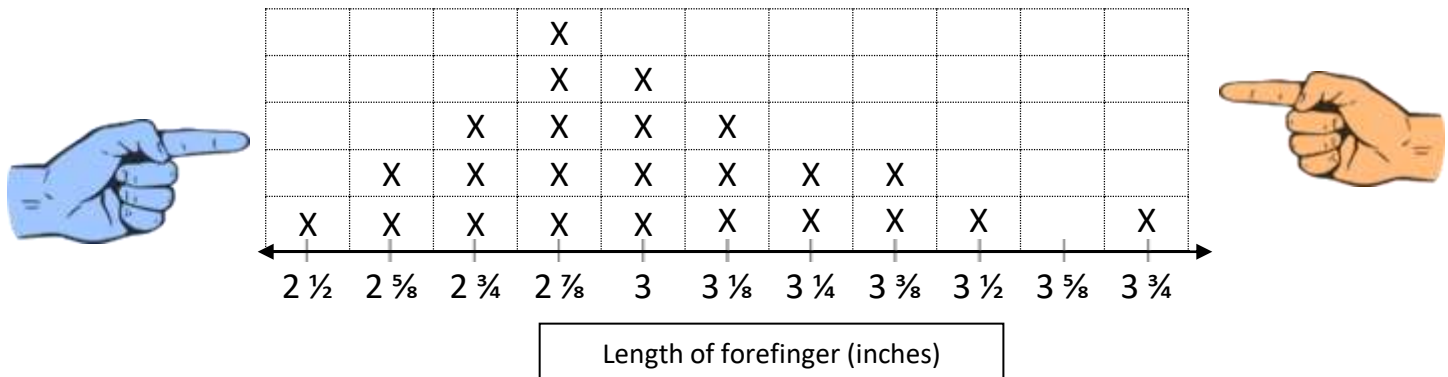
1) A group of adults had the length of their forefingers measured.
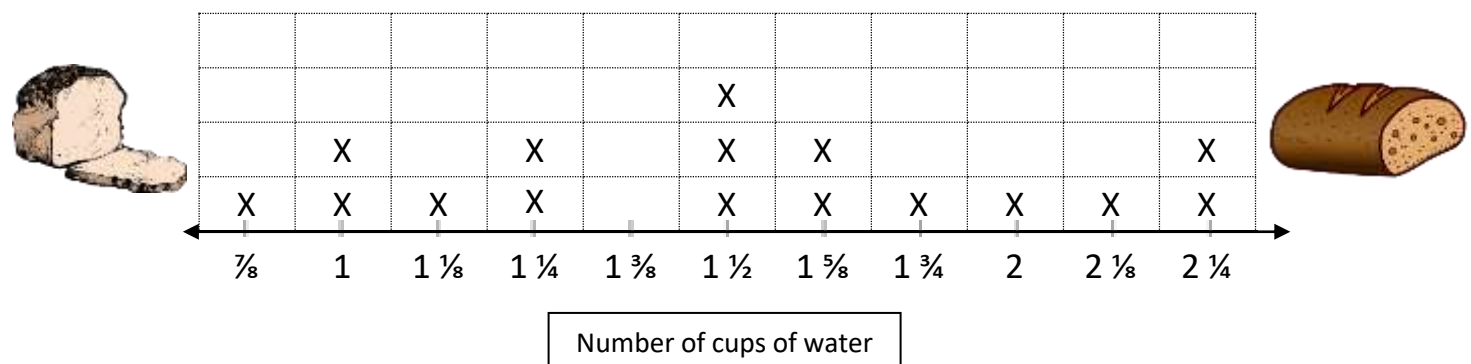
   Here is a line plot showing their results:

				X							
				X	X						
		X	X	X	X						
	X	X	X	X	X	X	X				
X	X	X	X	X	X	X	X	X		X	

2 ½　2 ⅝　2 ¾　2 ⅞　3　3 ⅛　3 ¼　3 ⅜　3 ½　3 ⅝　3 ¾

Length of forefinger (inches)

Tick the correct box about each of these statements.

Statement	True	False	Can't tell
The most common forefinger length was 3 inches.			
A third of the people had fingers longer than 3 inches.			
The longest forefinger was 1 ¼ inches longer than the shortest.			
Taller people had longer fingers than shorter people.			
A quarter of the adults had finger lengths of 2 ¾ inches or less.			

2) This line plot shows the number of cups of water needed to make a loaf of bread in different recipes.

					X						
	X		X		X	X				X	
X	X	X	X		X	X	X	X	X	X	

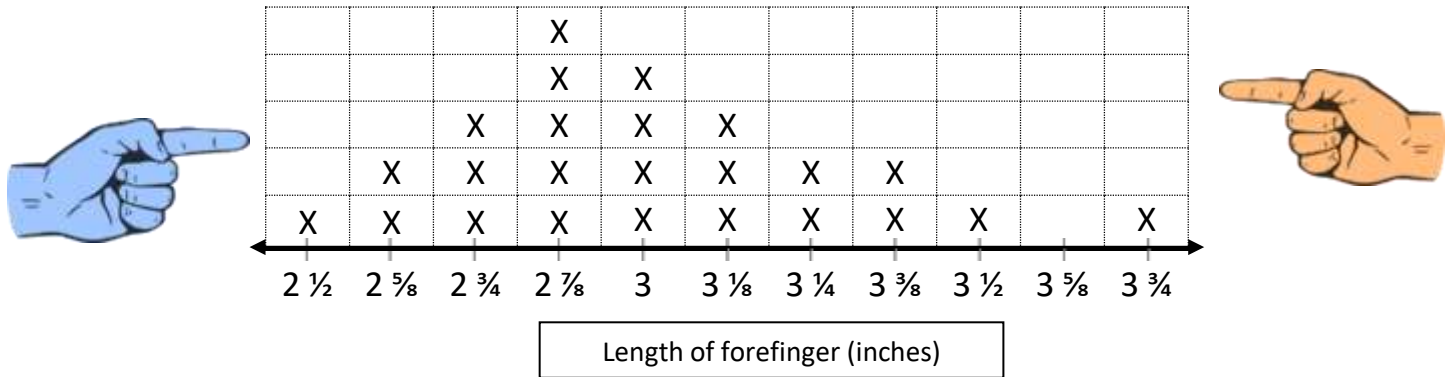⅞　1　1 ⅛　1 ¼　1 ⅜　1 ½　1 ⅝　1 ¾　2　2 ⅛　2 ¼

Number of cups of water

a) What was the difference in amount of water between the recipe that used the most and the recipe that used the least water? _____

b) What fraction of the recipes used 2 or more cups of water? _____

c) Frazer says "Most of the recipes used 1 ½ cups of water or less." Is he right? _____

INTERPRETING LINE PLOTS SHEET 4:2 ANSWERS

1) A group of adults had the length of their forefingers measured.
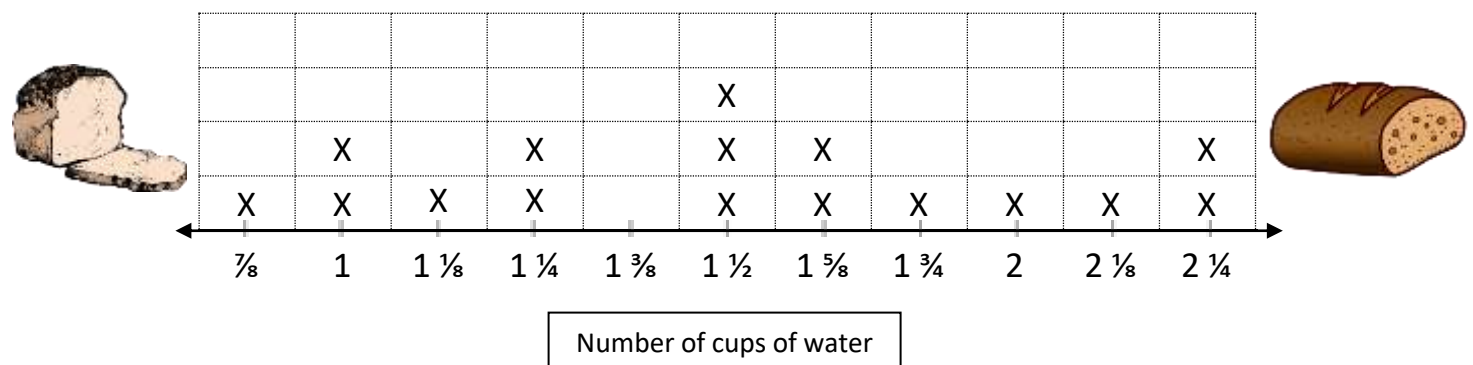
   Here is a line plot showing their results:

			X							
		X	X	X						
	X	X	X	X	X					
X	X	X	X	X	X	X	X			
X	X	X	X	X	X	X	X	X		X
2 ½	2 ⅝	2 ¾	2 ⅞	3	3 ⅛	3 ¼	3 ⅜	3 ½	3 ⅝	3 ¾

Length of forefinger (inches)

Tick the correct box about each of these statements.

Statement	True	False	Can't tell
The most common forefinger length was 3 inches.		✓	
A third of the people had fingers longer than 3 inches.		✓	
The longest forefinger was 1 ¼ inches longer than the shortest.	✓		
Taller people had longer fingers than shorter people.			✓
A quarter of the adults had finger lengths of 2 ¾ inches or less.	✓		

2) This line plot shows the number of cups of water needed to make a loaf of bread in different recipes.

						X					
	X		X		X	X				X	
X	X	X	X		X	X	X	X	X	X	
⅞	1	1 ⅛	1 ¼	1 ⅜	1 ½	1 ⅝	1 ¾	2	2 ⅛	2 ¼	

Number of cups of water

a) What was the difference in amount of water between the recipe that used the most and the recipe that used the least water? <u>1 ⅜ cups</u>

b) What fraction of the recipes used 2 or more cups of water? $^4/_{16}$ or ¼

c) Frazer says "Most of the recipes used 1 ½ cups of water or less." Is he right? $^9/_{16}$ used 1 ½ cups or less which is more than half. So he is right.