

## Session 2 – Reasoning Activity

Read the information carefully and complete each part of the activity in order. You will find the last part difficult to complete otherwise!

Here are the lists of first names of the members of Class 5. (They are in alphabetical order of their surnames so they do not seem to be ordered.)

Girls in Class 5	Boys in Class 5
Hetty	David
Annie	Nelson
Tessa	Ali
Debbie	Jake
Willow	Harry P
Jess	William
Abby	Ben
Sindy	Tom
Penry	Dai
Bel	Arlo
Sara	Andrew
Pippa	Harry W
Selma	Tim
Becky	Joe
Mel	Alan
Pauline	James
Netty	Jeff
	Mohammed

One day when 34 children were in class, Mrs Clifton, their teacher, said they were going to make some block graphs and other things using their first names. She put the class lists onto the white board.

First, the class made tally charts of the initial letters of their names. They worked in pairs.

The first part of Becky and Selma's tally looked like this:

Tally

A	
B	
C	
D	
E	

Can you make a full tally chart using the class names?

Use the blank chart on the next page to record the data.



Next they decided which letters of the alphabet were needed and which were not needed to make a block graph of their class names. Then the boys took yellow squares and the girls took pale blue squares, drew a picture of themselves and put the initial of their first name on the square and stuck it onto paper to make a pictogram graph.

The last part of the class's block graph looked like this:



Can you see who was away from school that day from this information?