

INTEGRATION

Collect data, record in picture graphs, simple column graphs (SP 8)

Interpret and compare data displays, including making statements using the language of chance (SP 9)

Statistics and Probability Concept Sequence

YEAR 3

8

Collect data, record in picture graphs, simple column graphs, with and without technology.

9

Interpret and compare data displays, including making statements using the language of chance.

10

Refine questions to collect data that may be easily recorded in categories.

Compare child-generated data representations.

11

Conduct repeated trials of chance experiments, identifying possible outcomes, recording results in lists, tables and column graphs, and explaining variation in results.

Explicitly Teach Differentiated Levels of this concept: **Collect data, record in picture graphs, simple column graphs (SP 8)**
Interpret and compare data displays, including making statements using the language of chance (SP 9).

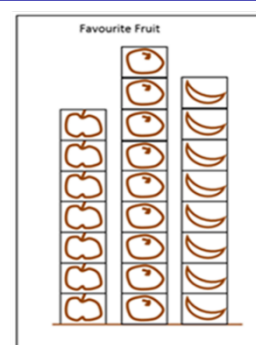
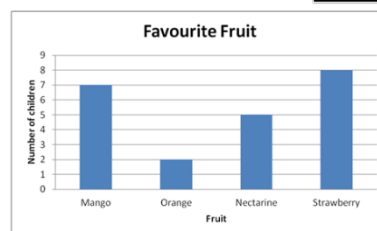
Children Investigate the Level that is just beyond their current understanding.

Favourite fruit

Apples	### II
Oranges	### IIII
Bananas	### III

Favourite Fruit

Apples	7
Oranges	9
Bananas	8



Which representation is best to collect data?
Which representation is best for identifying 'how many'?
Which representation is best for identifying most and least?
What advantage does a column graph have over a picture graph?

Which animal is the least popular?
Which animal do 7 people like?
Which animal is more popular than cats but less popular than dogs?

Statistics (data) and Probability (Chance) are intrinsically related. We cannot work out the chance (probability) of an event occurring without data (statistics).

Statistics and probability are investigated as an Integration.