

COMPARE DATA DISPLAYS, LANGUAGE OF CHANCE.

INVESTIGATIONS OVERVIEW PAGE

THIS PAGE IS A SUMMARY OF THE INVESTIGATIONS THAT STUDENTS MAY ENGAGE IN TO DEEPEN THEIR RELATIONAL UNDERSTANDING.
INVESTIGATIONS WITH INSTRUCTIONS TO STUDENTS FOLLOW ON SUBSEQUENT PAGES.

- In pairs, children are given different representations of the same data. They compare the representations and identify the advantages and disadvantages of each representation. *Reflection: How do different data representation suit different purposes?*
- In pairs, children have different representations of the same data. They make up questions to ask about the data, using the language of chance including most, least, possible, impossible, likely, might, certain. They swap questions with another pair of children. They make statements answering the questions, using the language of chance. *Reflection: How can we ask questions and make statements involving chance about data displays?*

Children could use their data displays created in previous lessons.

Different representations of the same data

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Tally marks 

List with numbers

Favourite Fruit

Mango 7

Orange 2

Nectarine 5

Strawberry 8

List with Tally Marks

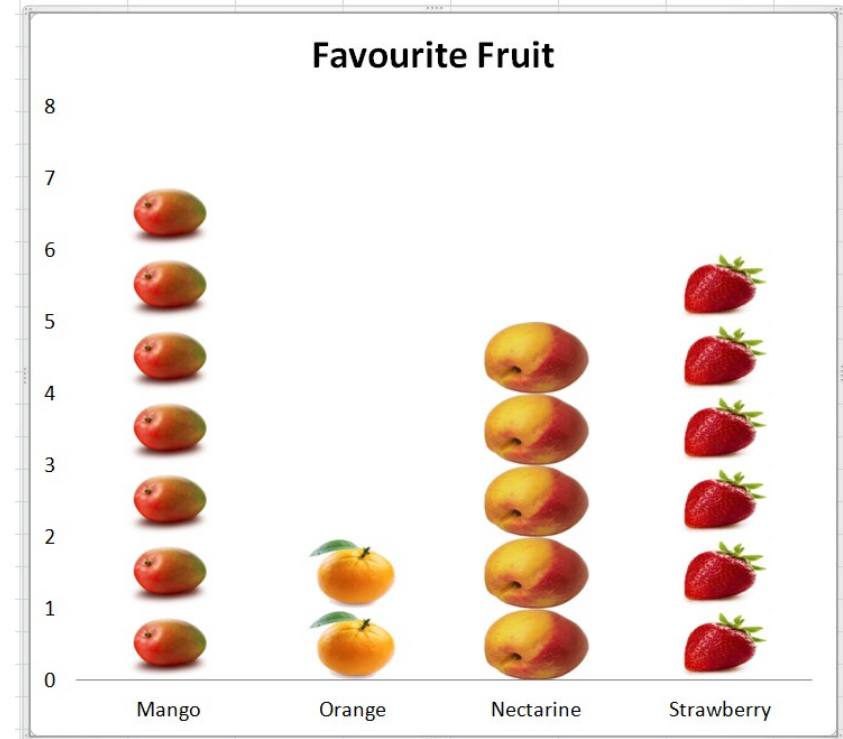
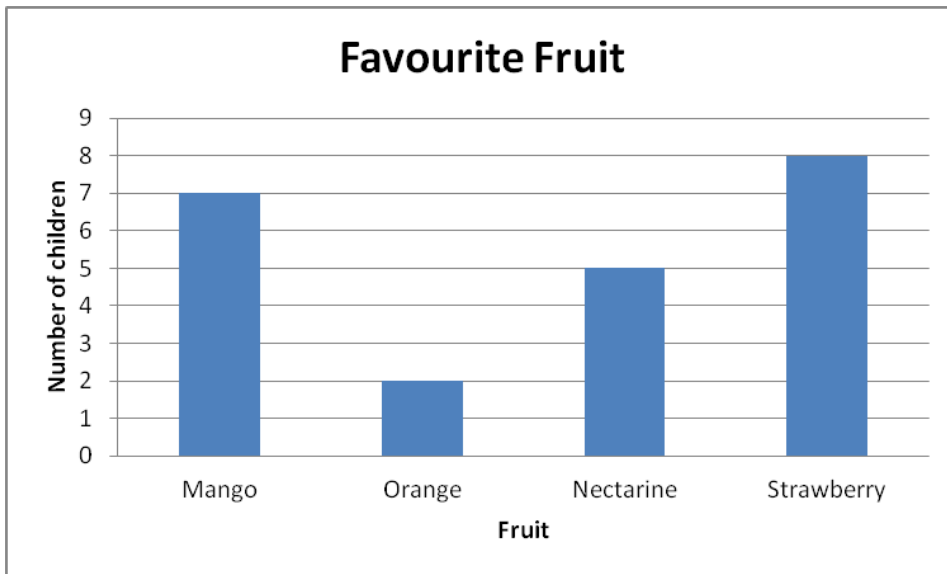
Favourite Fruit

Mango 

Orange 

Nectarine 

Strawberry 



Mango	7
Orange	2
Nectarine	5
Strawberry	6

Collect Data, Record in Picture and Column Graphs

Have different representations of the same data.

List with Tally Marks

Favourite Fruit

Mango IIII II

Orange II

Nectarine IIII

Strawberry IIII I

List with numbers

Favourite Fruit

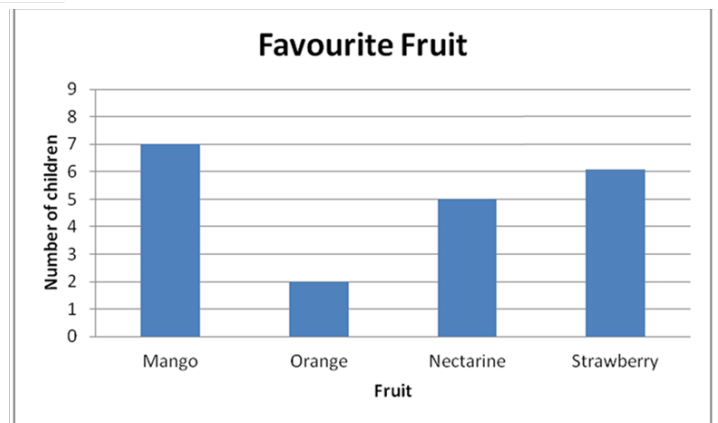
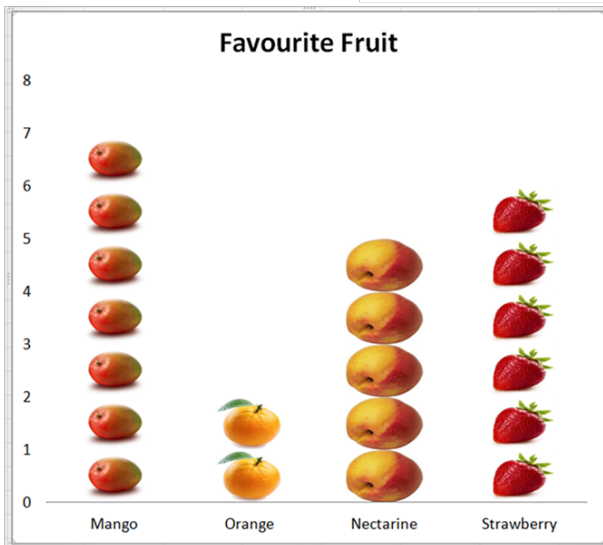
Mango 7

Orange 2

Nectarine 5

Strawberry 6

Favourite Fruit	
Mango	7
Orange	2
Nectarine	5
Strawberry	6



Compare the representations and identify the advantages and disadvantages of each representation.

Reflection: How do different data representation suit different purposes?

Collect Data, Record in Picture and Column Graphs

Sit with a friend.

Have different representations of the same data.

List with Tally Marks

Favourite Fruit

Mango IIII II

Orange II

Nectarine IIII

Strawberry IIII I

List with numbers

Favourite Fruit

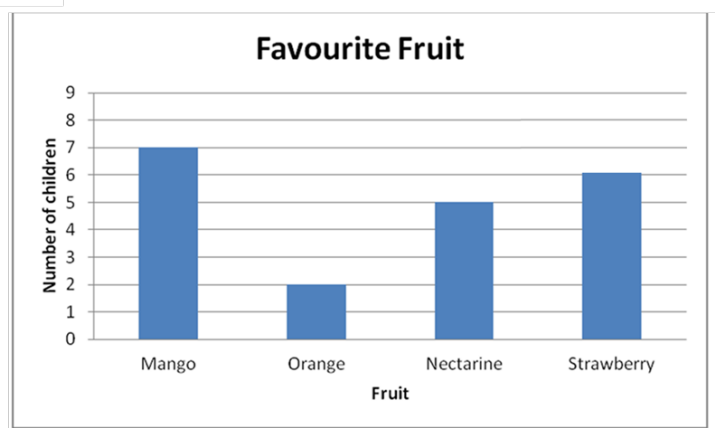
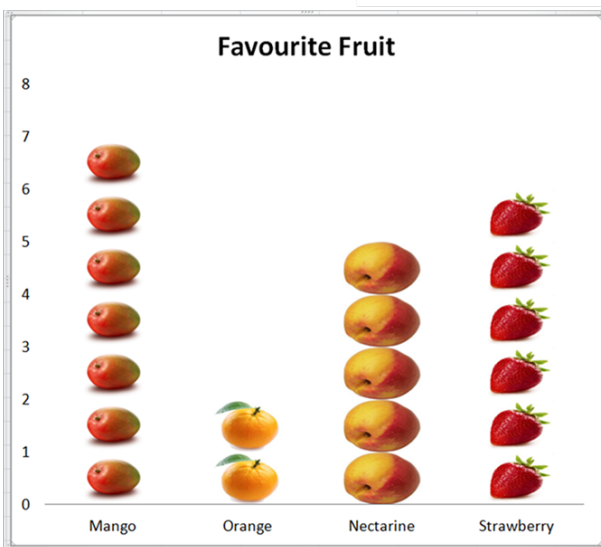
Mango 7

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Favourite Fruit	
Mango	7
Orange	2
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Strawberry	6



Make up questions to ask about the data, using the language of chance including most, least, possible, impossible, likely, might, certain.

Swap questions with another pair of children.

Make statements answering the questions, using the language of chance.

Compare the representations and identify the advantages and disadvantages of each representation.

Reflection: How do different data representation suit different purposes?

How can we ask questions and make statements involving chance about data displays?