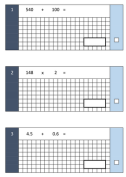
L.O – To interpret pictograms.

Arithmetic Starter

0:05:00



L.O – To interpret pictograms.

Starter Activity:

0:03:00

Talk Partners

Patrick has used the information in the table below to make a pictogram.

Do you think a pictogram is the best way to present this information? Explain your answer.

Favourite Wild Animal	
Lion	III
Tiger	II
Giraffe	I
Elephant	IIII

Favourite Wild Animal	
Lion	○ ○ ○
Tiger	● ●
Giraffe	●
Elephant	● ● ● ●

Key: ○ = 1 animal

Various possible answers, for example;

- Yes because the values are small so they are easy to count using a pictogram.
- No, a bar chart would be easier to display the small values.

L.O – To interpret pictograms.

STATISTICS

Success Criteria:

I must depict a pictogram accurately..

I should use a key that is appropriate to given pictogram.

I could answer reasoning and problem solving questions.

L.O – To interpret pictograms.

Talk Partners

Teacher Model:

Complete the missing sections using the information below.

Favourite Subject	Number of Children
Maths	
English	
Science	
Art	
PE	

Key: 1 picture = 2 children

A. 5 more children like science than maths.
B. Half as many children like art than science.
C. Twice as many children like PE than art.

Success Criteria:

I must depict a pictogram accurately..

I should use a key that is appropriate to given pictogram.

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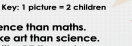
Talk Partners

Answer:

Complete the missing sections using the information below.

Favourite Subject	Number of Children
Maths	
English	
Science	
Art	
PE	

Key: 1 picture = 2 children

A. 5 more children like science than maths.
B. Half as many children like art than science.
C. Twice as many children like PE than art.

A. 8 pictures for science
B. 4 pictures for art
C. 8 pictures for PE

Success Criteria:

I must depict a pictogram accurately..

I should use a key that is appropriate to given pictogram.

I could answer reasoning and problem solving questions.

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Main Task Example 1:

Anika is drawing a pictogram where one picture = 5 children.

Anika knows more children have a birthday in winter than spring, but fewer children have a birthday in winter than autumn.

Season	Number of Birthdays
Spring	
Summer	
Autumn	
Winter	

Complete the pictogram showing one of the possibilities.

Success Criteria:

I must depict a pictogram accurately..

I should use a key that is appropriate to given pictogram.

I could answer reasoning and problem solving questions.

L.O – To interpret pictograms.

Main Task Example 1 Answer:

Anika is drawing a pictogram where one picture = 5 children.

Anika knows more children have a birthday in winter than spring, but fewer children have a birthday in winter than autumn.

Season	Number of Birthdays
Spring	1
Summer	4
Autumn	6
Winter	2

Complete the pictogram showing one of the possibilities.

Various answers, for example: 2 pictures for winter and 1 picture for spring

Success Criteria:

I must depict a pictogram accurately..

I should use a key that is appropriate to given pictogram.

I could answer reasoning and problem solving questions.

L.O – To interpret pictograms.

Main Task Example 2:

Talk Partners

Archie draws a pictogram to show KS2's favourite playground games. Each child voted once.

Games	Number of Children 1 picture = 10 children
Tig	8
Skipping	3
Hopscotch	2
Football	3

Is he correct? Explain your answer.
Archie is incorrect because...

Success Criteria:

I must depict a pictogram accurately..

I should use a key that is appropriate to given pictogram.

I could answer reasoning and problem solving questions.

L.O – To interpret pictograms.

Main Task Example 2 Answer:

Archie draws a pictogram to show KS2's favourite playground games. Each child voted once.

Games	Number of Children 1 picture = 10 children
Tig	8
Skipping	3
Hopscotch	2
Football	3

Is he correct? Explain your answer.
Archie is incorrect because 30 is not a quarter of 80.

Success Criteria:

I must depict a pictogram accurately..

I should use a key that is appropriate to given pictogram.

I could answer reasoning and problem solving questions.

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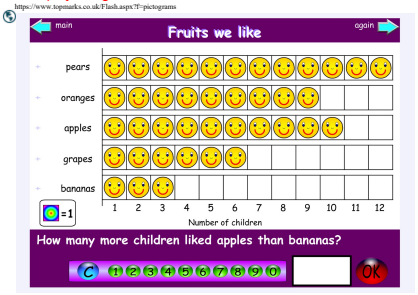
Let's play this game !

https://www.topmarks.co.uk/Flash.aspx?f=pictograms



Success Criteria:

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I could answer reasoning and problem solving questions.

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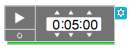
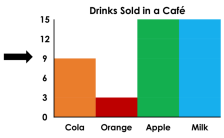
Plenary:



7. True or false? This pictogram has been correctly converted into a bar chart.

Drinks Sold in a Café	
Orange	●●●
Cola	●
Apple	●●●●●
Milk	●●●●●●●

Key: ◯ = 3 drinks



Success Criteria:

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I should use a key that is appropriate to given pictogram.

I could answer reasoning and problem solving questions.

False, the scale should go up to 21 and the orange/cola labels have been mixed up.