

Friday 5th February 2021

L.O: I am getting better at interpreting pictograms.

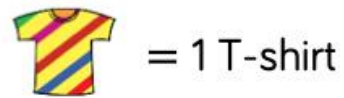
Today in maths we are going to be interpreting pictograms.

You will be reading the information on the pictograms. This will mean thinking about what the data is telling you.

For example, if you are reading this pictogram of favourite colour t-shirts, what do you think it is telling you?



Key



The pictogram tells me that there are 8 Blue coloured t-shirts, 2 Green coloured t-shirts, 4 Red coloured t-shirts and 7 Purple coloured t-shirts.

I can also see that Blue coloured T-shirts are the favourite and the Green coloured t-shirts are the least favourite. Six more people chose the colour Blue than Green.

I can also see that there were 21 people asked what their favourite colour t-shirt is.

Here is a pictogram to show minibeasts collected by Class 5.



Key

= 1 minibeast

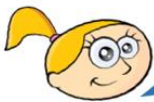
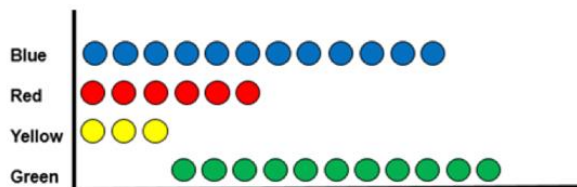
There are ___ ladybirds.

There are ___ centipedes and worms altogether.

There are ___ more worms than centipedes.

What else does the pictogram tell us?

Here is a pictogram.



The most popular colour sweet is green.

Do you agree with Eva?

Explain why and correct any mistakes.

Tick the statements that are correct.

= 1 tree

| Tree | |
|-------|--|
| Oak | |
| Ash | |
| Beech | |

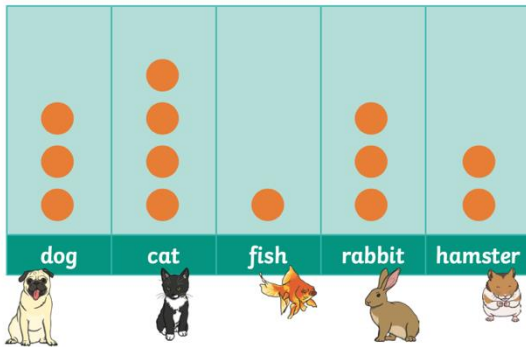
A. There are 4 oak trees.

B. There are 3 ash trees.

C. There are 2 beech trees.

Here is a pictogram to show class A's pets.

Key: ● = 1 pet




What is the most common pet?




How many pets are there in total?

How many more cats than hamsters are there?

How many fewer fish than dogs are there?

Tick the statements that are correct.

 = 1 vote

| Juice | |
|-----------|---|
| Pineapple |  |
| Orange |  |
| Apple |  |

A. 4 people chose pineapple juice.

B. 7 people chose orange juice.

C. Apple juice was chosen by 6 people.

Ben records the colour of cars that pass his school.

● = 1 car

| Colour | |
|--------|----------|
| Red | ●●●● |
| Blue | ●●● |
| Black | ●●●●●●●● |
| Grey | ●●●●●●●● |

Answer the questions using Ben's pictogram.

A. How many grey cars pass by?

B. How many blue cars were there?

C. How many red cars pass by?

Lucy records the favourite fruits of children in her class.

● = 1 fruit

| Fruit | |
|--------|----------|
| Apple | ●●●●●● |
| Banana | ●●●●●●●● |
| Pear | ●● |
| Orange | ●●●●● |

Answer the questions using Lucy's pictogram.




A. How many children like apples?

B. How many said they like pears?

C. How many chose bananas?

Tick the statements that are correct.

 = 1 flower


| Flower | |
|--------|---|
| Rose |  |
| Tulip |  |
| Orchid |  |




A. The least popular flower was the rose.

B. Two more people chose tulip than orchid.

C. 35 people were asked in total.

Tick the statements that are correct.

 = 1 pet

| Pets | |
|--------|--|
| Rabbit |  |
| Dog |  |
| Cat |  |





A. 7 more children had a cat than had a rabbit.

B. 24 children said they had a dog or a cat.

C. Rabbit was the least popular.

True or false?

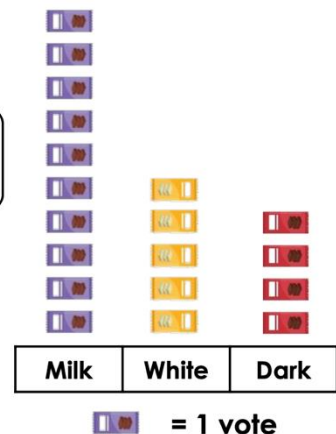
Carrots and peas have the same number of votes.

| Vegetables |  = 1 vote |
|------------|--|
| Leeks |  |
| Carrots |  |
| Peas |  |

Explain your answer.

Is Amy correct? Explain your answer.

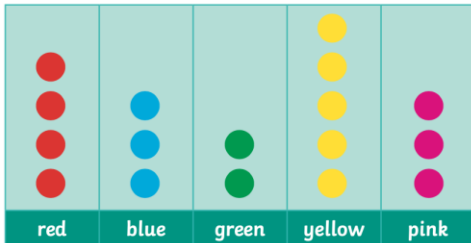
Amy says: 4 people like dark chocolate.



Extension

Class B voted for their favourite colour.

Key: ● 1 circle = 1 person



Are these statements about the pictogram true or false? Explain your answers.

The most popular colour is yellow.

16 children voted for their favourite colour.

3 children chose pink.

3 more children chose yellow than blue.

7 children chose red and pink together.

The same number of children chose pink and blue.

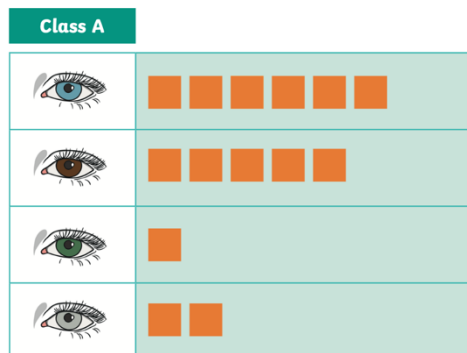
True or false?

- A.** 10 children have a fish or a rabbit.
B. 24 children were asked in total.

| Pets | ● = 1 vote |
|--------|------------|
| Rabbit | |
| Dog | |
| Fish | |

Explain your answers.

Children in classes A and B were all asked what colour their eyes are. Here are the results in pictograms.



Key: ■ = 1 child



Key: ★ = 1 child



What's the same?
 What's different?
 Think about both the data and how it is presented.

Who is correct? Explain your answer.

8 more people like toffee than fudge.

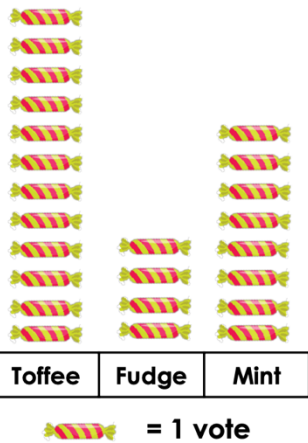


Dan

7 more people like toffee than fudge.



Sam



Use the pictogram to answer the questions.

= 1 cake

| Number of Loaves Sold | |
|-----------------------|--|
| Monday | |
| Tuesday | |
| Wednesday | |
| Thursday | |

A. How many loaves were baked on Thursday?

B. How many loaves were baked altogether?

C. On which day were 6 loaves baked?

4. Use the correct pictogram to answer the questions. = 1 cake

| Number of Cakes Baked | | Number of Cakes Sold | |
|-----------------------|--|----------------------|--|
| Monday | | Monday | |
| Tuesday | | Tuesday | |
| Wednesday | | Wednesday | |
| Thursday | | Thursday | |

A. In total, how many cakes were baked on Monday and Tuesday?

B. How many more cakes were sold on Tuesday than Thursday?

C. On which day were more cakes sold than baked?

