<u>Tuesday 9th February 2021</u>

L.O: I am getting better at interpreting pictograms with keys worth 2, 5 and 10.

Today in maths we will be looking at interpreting pictograms with keys worth 2, 5 or 10.

This means we will be looking at what the pictogram tells us from the information provided.

This is similar to the interpreting we have done before, however the key will be different for each question so you will have to be careful how you read the pictogram.

How many more sparrows are there than robins?
What is the total number of birds?
How did you calculate this?
Can you think of your own questions to ask a friend?

| Blackbird | Robin | Sparrow | Thrush | Magpie |
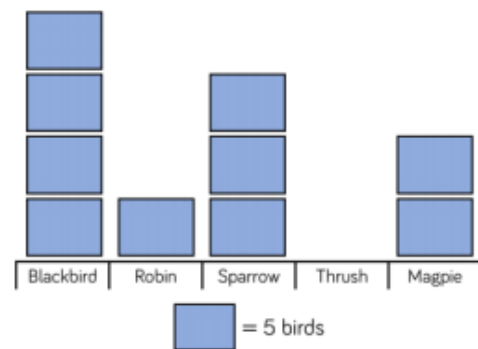
☐ = 5 birds

There are 20 Blackbirds (4 x 5).

There are 5 Robins (1 x 5).

There are 15 Sparrows (3 x 5).

There are 0 Thrushes (0 x 5).

There are 10 Magpies (2 x 5).

All together there are 50 birds (20 + 5 + 15 + 10).

There are 10 more Sparrows than Robins.

Which is the most popular sport?

How many children voted for football and swimming altogether?

What could the title of this pictogram be?

Sport	
Football	△ △ △ △ △
Tennis	△ △
Basketball	△ △ △
Hockey	△ △ △ ◿
Swimming	◿

△ = 2 children
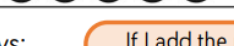
Use the pictogram to decide if the statements are true or false.

Animal	Number on farm
Pigs	★ ★ ★ ★ ★
Sheep	★ ★ ★ ★ ✦
Horses	★
Chickens	★ ★ ★ ✦
Cows	★ ★ ★ ★ ★ ★ ★

★ = 10 animals

Statement	True or False?
Horses were the least popular animal.	
The number of chickens seen was half the number of cows seen.	
The total amount of pigs and sheep is 70	
There were 8 cows on the farm.	
There were 10 fewer chickens than sheep.	

Jack and Whitney have carried out a traffic survey.

Van	◉ ◉ ◖
Bus	◉ ◉ ◉ ◉
Bike	◉ ◉ ◉
Lorry	◉ ◉
Car	◉ ◉ ◉ ◉ ◉ ◉

◉ = 10 vehicles

Jack says;

If I add the number of lorries and bikes together then it will be equal to the number of cars

Is he right? Convince me.

Whitney says;

To find the total number of vehicles I need to count the symbols. There are 16 and a half vehicles.

Is she correct? Explain your answer.

Ice creams sold in a week

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday

🍦 = 2 ice creams

Convince me
There are more ice-creams sold at the weekend than during the rest of the week.

True or False (Why?)
Three ice creams were sold on Tuesday.

Justify
If the staff needed to pick one day to have off during the week, which would be the best day and why?

Class A carried out surveys about children's favourite things.

Sport	Number of Children
Football	⬤ ⬤ ⬤ ⬤ ⬤ ⬤ ⬤
Rugby	⬤ ⬤ ◖
Tennis	⬤
Hockey	⬤ ◖

Key

⬤ = 2 children

The most popular sport was _____.

_____ children chose hockey.

_____ more children chose football than rugby.

_____ children were included in the survey.

😊😊😊		😊	😊😊
Orange Juice	Milk	Water	Lemonade

Key

😊 = 5 children

What was the least popular drink? _____

How many children chose water and lemonade altogether? _____

What could the title of this pictogram be?

_____

Ice Cream Flavour	Number of Children
Chocolate	▲ ◣
Vanilla	▲ ◣
Strawberry	▲ ▲
Salted Caramel	▲ ▲ ▲ ▲ ▲

Key

▲ = 10 children

True or False?

15 children chose chocolate. _____

50 children chose strawberry and salted caramel altogether. _____

Anna counted balloons.

Red	🎈🎈🎈🎈🎈🎈🎈🎈🎈🎈
Yellow	🎈🎈🎈🎈🎈🎈🎈
Green	🎈🎈🎈🎈🎈

🎈 = 2

The most common colour of balloon was red.

Is she correct? Explain why.

Toby counted coloured pencils.

Blue	✏✏✏✏✏✏✏✏
Red	✏✏✏✏✏✏✏✏
Green	✏✏✏✏✏✏✏✏✏✏

✏ = 5

I counted 100 green pencils.

Is he correct? Explain why.

True or false?

There were 70 animals on the farm.
35 of the animals were sheep.

Cow	🔵🔵🔵🔵
Pig	🔵🔵🔵
Sheep	🔵🔵🔵🔵🔵🔵🔵

🔵 = 5

True or false?

Fred has 45 more stickers than Amie, but
Zac has more stickers than Amie and Fred
added together.

Zac	🙂🙂🙂🙂🙂🙂🙂🙂🙂
Fred	🙂🙂🙂🙂🙂🙂🙂🙂
Amie	🙂🙂🙂🙂

🙂 = 10

Extension

How many cup cakes were sold on Wednesday? Circle the correct answer.

| 4 | 40 | 20 |

Monday	🧁🧁
Tuesday	🧁🧁🧁🧁🧁
Wednesday	🧁🧁🧁🧁
Thursday	🧁🧁

🧁 = 5

Complete the statements below.

A. We sold [ ] green eggs.

B. We sold [ ] eggs altogether.

Yellow	Green	Blue	Pink
🟡🟡	🥚	🔵🔵🔵🔵	🥚🥚🥚

Emma and Brody have drawn pictograms to show how many children in their class have pets.

Emma's Pictogram

Pet	
Rabbit	⬤⬤⬤
Cat	⬤⬤⬤⬤⬤⬤
Hamster	⬤⬤
Dog	⬤⬤⬤⬤⬤
Goldfish	⬤

Brody's Pictogram

Rabbit	Cat	Hamster	Dog	Goldfish

Key

⬤ = 5 children

Key

🟩 = 10 children

Our pictograms look different.

One of us must have made a mistake.

Do you agree? Explain your answer.

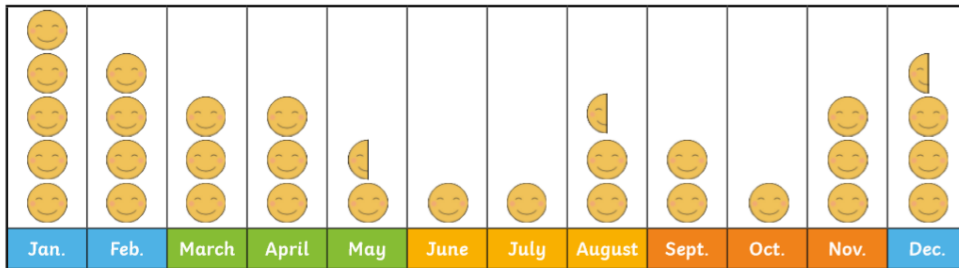The soft play centre records how many children visit in each month of the year.

 = 10 children

| Jan. | Feb. | March | April | May | June | July | August | Sept. | Oct. | Nov. | Dec. |

| Winter | Spring | Summer | Autumn |

Give the pictogram a title.	Write 5 things this pictogram tells you.	Are there more visitors to the soft play in the summer months or the spring months? How many more?
There were 4 visitors during February. True or false?	Which month would be best for the soft play to close for cleaning? Why?	In which season will the soft play centre make the most money from ticket sales? Why?