STATISTICS LESSON 5

SWE use amounts from more challenging pictograms and reason about them.
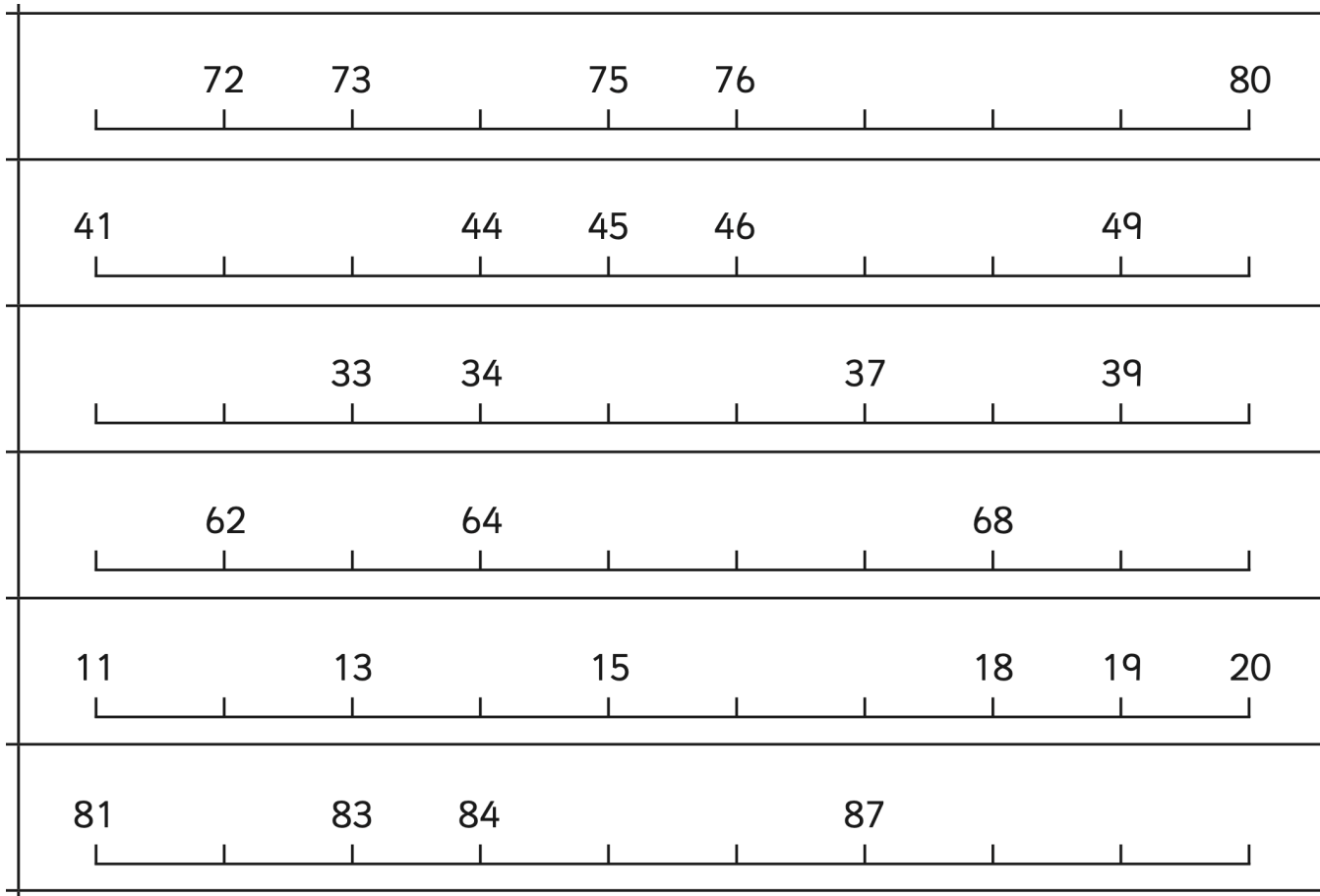
SW understand what half a picture in a pictogram means.

MW be able to read a pictogram accurately using a key (2, 5,10).

AW be able to show a pictogram in 2's.

RECALL – COMPLETE THE NUMBER LINES

72　73　　75　76　　　　80

41　　　44　45　46　　　49

33　34　　　37　　39

62　64　　　68

11　13　　15　　18　19　20

81　83　84　　87

Look at the pattern. What happens each time?

Can you create your own number patterns?

TO CREATE AND INTERPRET PICTOGRAMS

Date Learning ladder ref

GUIDED PRACTICE

Sam and Sara created a pictogram to show the animals that children in Year 2 had.

Their pictogram is not quite finished. Can we help them finish it?

Pet	Tally
Dog	IIII IIII
Cat	IIII IIII IIII
Rabbit	IIII IIII II
Fish	IIII IIII IIII I

Pet	
Dog	☐ ☐ ☐ ☐ ☐
Cat	☐ ☐
Rabbit	☐ ☐ ☐ ☐
Fish	☐ ☐ ☐ ☐ ☐

☐ = 2 animals

Which ones match? Can you count in 2's?

Could we use another number for the key? How do we show 1 animal?

INTELLIGENT PRACTICE 1:2, 1:5, 1:10

What can you tell me about this pictogram?
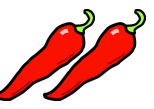
Sport	
Football	△ △ △ △ △
Tennis	△ △
Basketball	△ △ △
Hockey	△ △ △ △
Swimming	△

△ = 2 children

Complete the pictogram for Class 5 and 6.

Class 1	☓☓☓☓☓
Class 2	☓☓☓☓☓☓☓
Class 3	☓☓☓
Class 4	☓☓☓☓☓☓
Class 5	☓☓☓☓
Class 6	☓☓☓

Class 1	📖 📖
Class 2	📖 📖 📖 📖
Class 3	📖 📖
Class 4	📖 📖 📖
Class 5	
Class 6	

Key

📖 = 5 books

Look at the key!

INTELLIGENT PRACTICE 1:2, 1:5, 1:10

Interpret the pictogram and say whether each statement is 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.	

Can you create a pictogram from this data? Remember a key!

Chocolate	卌 卌 卌 卌
Lemon	卌 卌 卌 卌 卌 卌 卌
Red Velvet	卌 卌 卌 卌 卌
Mint	卌 卌 卌 卌 卌
Carrot	卌 卌 卌 卌 卌 卌 卌 卌

DIVE DEEPER 1:2, 1:5, 1:10

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.

Look at the totals. How many cars are there? How many...

What does this data tell you about the road they were on?