Reading Picture Graphs

Lesson 3

LO: To be able to read and interpret a picture graph with a scale 1:2.

Please check this **video** to better understand how to work with tally charts.
https://www.youtube.com/watch?v=-pEA3w8SQws

Please check this **video** to better understand how to work with picture graph with a scale 1: 2 https://www.youtube.com/watch?v=jQebOOB-aps

In Focus

The pictogram shows the number of each type of animal that Charles sees in the zoo.

Animals in the Zoo
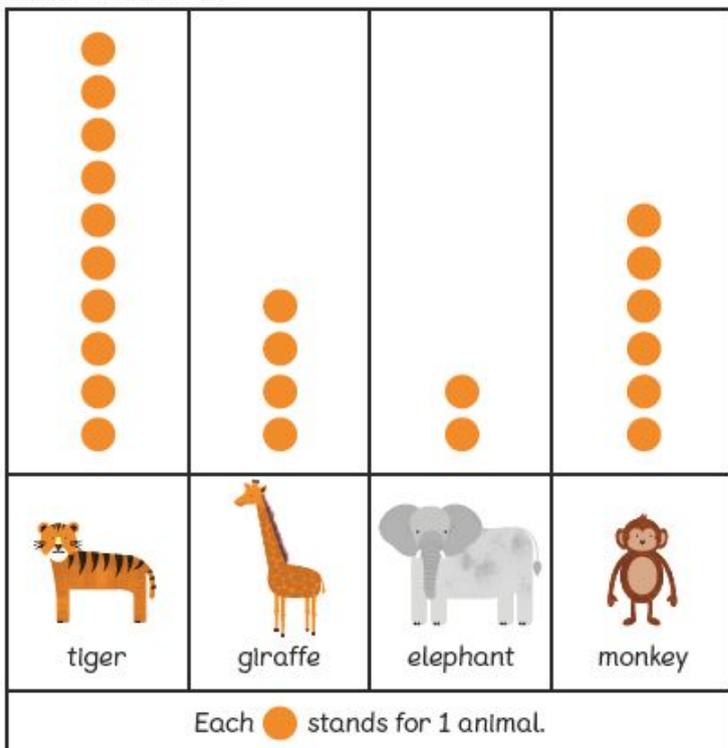
Think:

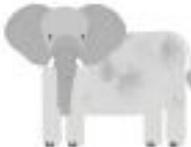How can Charles show the pictogram on a tally chart and a table?

Each ● stands for 1 animal.

Let's Learn

1 Charles shows the pictogram on a tally chart and a table.

Animals in the Zoo

tiger	giraffe	elephant	monkey
卌 卌	////	//	卌 /

Animal	Number of animals
tiger	10
giraffe	4
elephant	2
monkey	6

2 We can also use one ● to stand for 2 animals.

●●●●●	●●	●	●●●
tiger	giraffe	elephant	monkey

Each ● stands for 2 animals.

(a)

Which of the four types of animals did I see the least?

Is Lulu correct?

There are 10 tigers, 4 giraffes, 2 elephants and 6 monkeys.
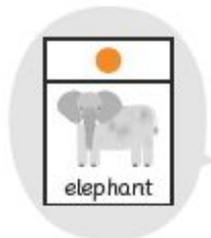Charles saw the fewest elephants.

Lulu is correct.

(b) Is Elliott correct?

Each ● stands for 2 animals.
There are 2 elephants.

Elliott is not correct.

How many elephants did Charles see?

elephant

One elephant.

(c)

How many animals did Charles see in the zoo?

22 animals.

Is Amira correct?

Method 1

Animal	Number of 🟠	Number of animals
tiger	5	10
giraffe	2	4
elephant	1	2
monkey	3	6

Total = 10 + 4 + 2 + 6
= 22

Method 2

There are 5 + 2 + 1 + 3 = 11 🟠.

Each 🟠 stands for 2 animals.

There are 22 animals.

Amira is correct.

3

5 or fewer	more than 5

Which animals belong to this group?
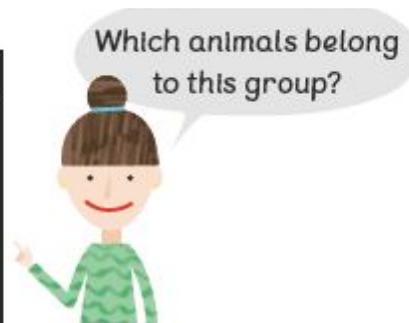
Can you ask other questions that can be answered by looking at the pictogram?

5 or fewer	more than 5

Remember, when finding out how many more or how many less, you need to do a subtraction calculation with the 2 groups that you are comparing. For example, if I want to know how many more tigers than giraffes, I would do 10 - 4 = 6 so
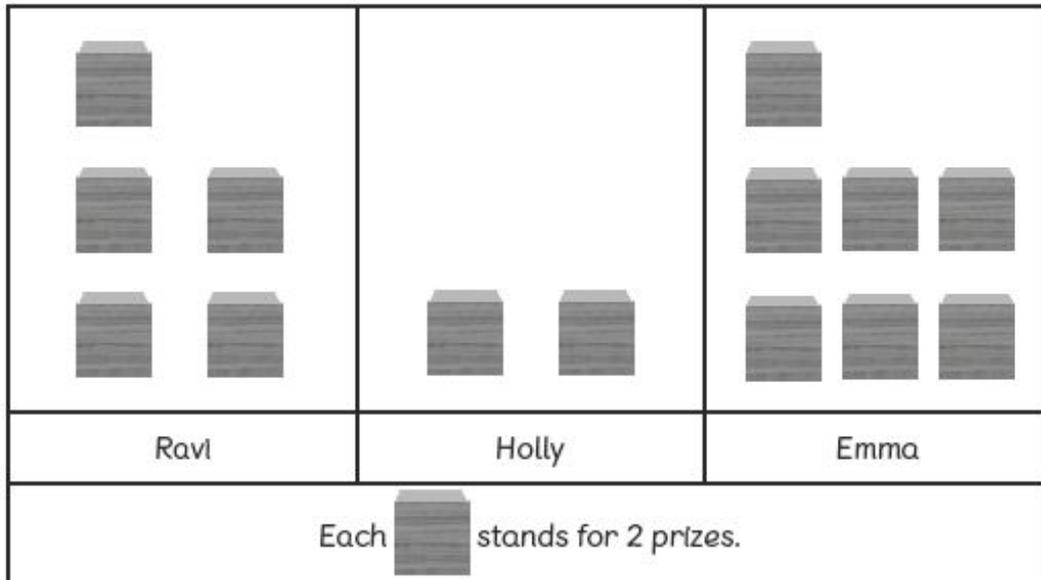
There are 6 more tigers than giraffes.

Reading Picture Graphs

1 The pictogram shows the number of prizes won by some children during a game. Look at the pictogram and fill in the blanks.

Number of Prizes Won

Ravi	Holly	Emma

Each ⬛ stands for 2 prizes.

Remember: one picture means 2 prizes.
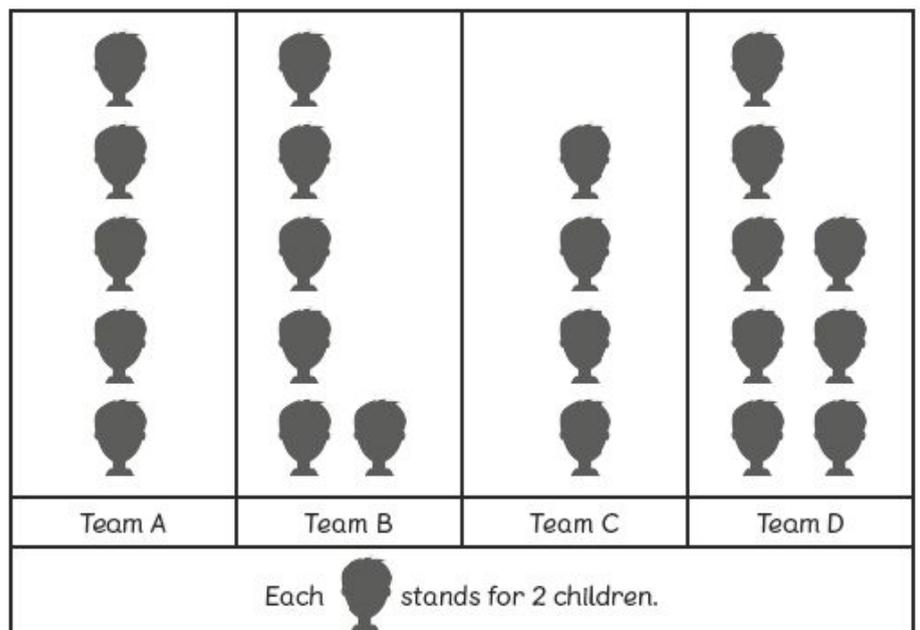
a) The three children won _____ prizes together.

b) _____ won the most prizes.

c) _____ won the least prizes.

d) Ravi won _____ prizes.

2 The pictogram shows the number of children in 4 teams.

Look at the pictogram and fill in the blanks.

Children in 4 Teams

Team A	Team B	Team C	Team D

Each 👤 stands for 2 children.

a) There are _____ children in Team A.
b) Team _____ has the most children.
c) Team _____ has the least number of children.
d) There are _____ more children in Team B than in Team C.
e) There are _____ children altogether in both Team A and Team D.

3 The pictogram shows the number of paper aeroplanes made by some children. Look at the pictogram and fill in the blanks.

Number of Paper Aeroplanes

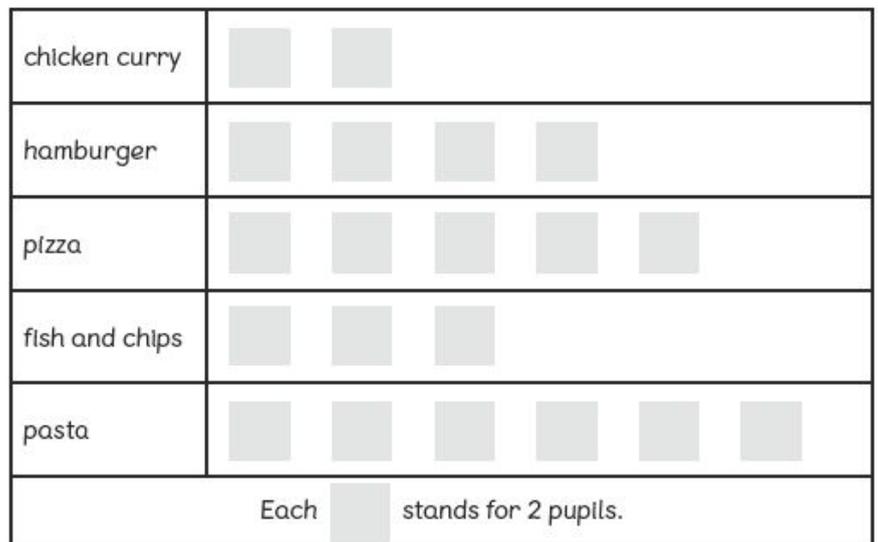|	
Charles	✈ ✈ ✈ ✈ ✈ ✈ ✈
Ruby	✈ ✈ ✈ ✈
Sam	✈ ✈ ✈ ✈
Lulu	✈ ✈ ✈
Each ✈ stands for 2 paper aeroplanes.	
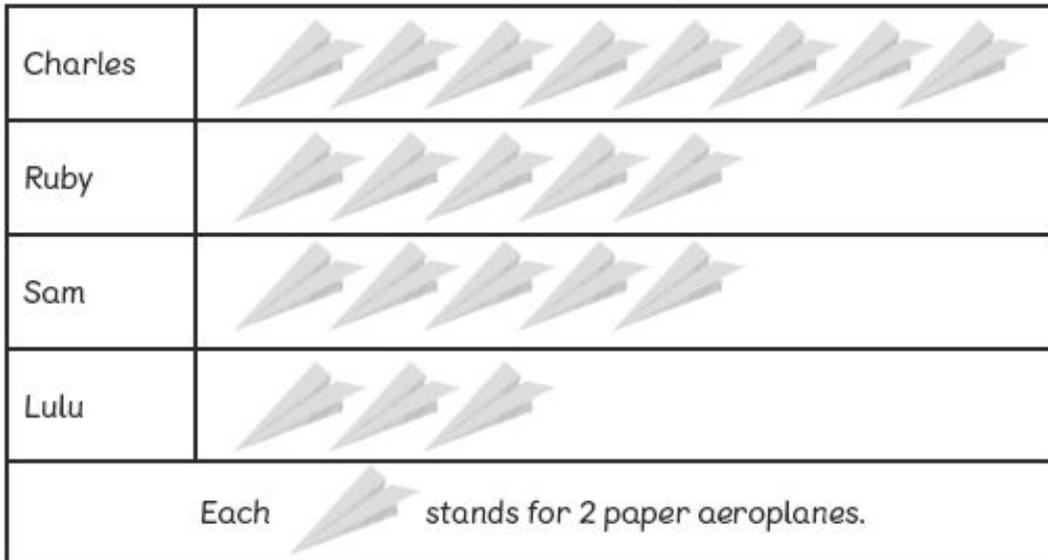
a) Sam and Lulu made _____ paper aeroplanes altogether.
b) _____ made the most paper aeroplanes.
c) _____ made the least number of paper aeroplanes.
d) Sam made _____ more paper aeroplanes than Lulu.
e) Ruby made _____ fewer paper aeroplanes than Charles.
f) _____ made as many paper aeroplanes as _____.

4 The pictogram shows the favourite food for pupils in a class.

Look at the pictogram and fill in the blanks.

Favourite Food

chicken curry	▢ ▢
hamburger	▢ ▢ ▢ ▢
pizza	▢ ▢ ▢ ▢ ▢
fish and chips	▢ ▢ ▢
pasta	▢ ▢ ▢ ▢ ▢ ▢
Each ▢ stands for 2 pupils.	

a) _____ pupils choose pizza as their favourite food.

b) _____ more pupils choose pasta than chicken curry as their favourite food.

c) _____ is the favourite food.

d) _____ is the least favourite food.

e) There are _____ pupils in the class.

Challenge:

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?