Maths- Skills

Learning objective; To find the area and perimeter of a shape on a grid.

Warm up: visual reasoning

Each orange square has an area of 24 cm^2.

Calculate the total orange area.

Calculate the blue area.

Calculate the green area.

What is the total area of the whole shape?

Area and perimeter on a grid

The **perimeter** of a figure is the total length of its outline or boundary and this is found by counting the number of unit lengths along the boundary of the figure.
The **area** of a figure on **grid** is found by counting the total number of unit squares it occupies.

Take a look at these videos to remind you how to find the area and perimeter when shapes are on a grid.

https://www.youtube.com/watch?v=S8ueaJ_bAUc

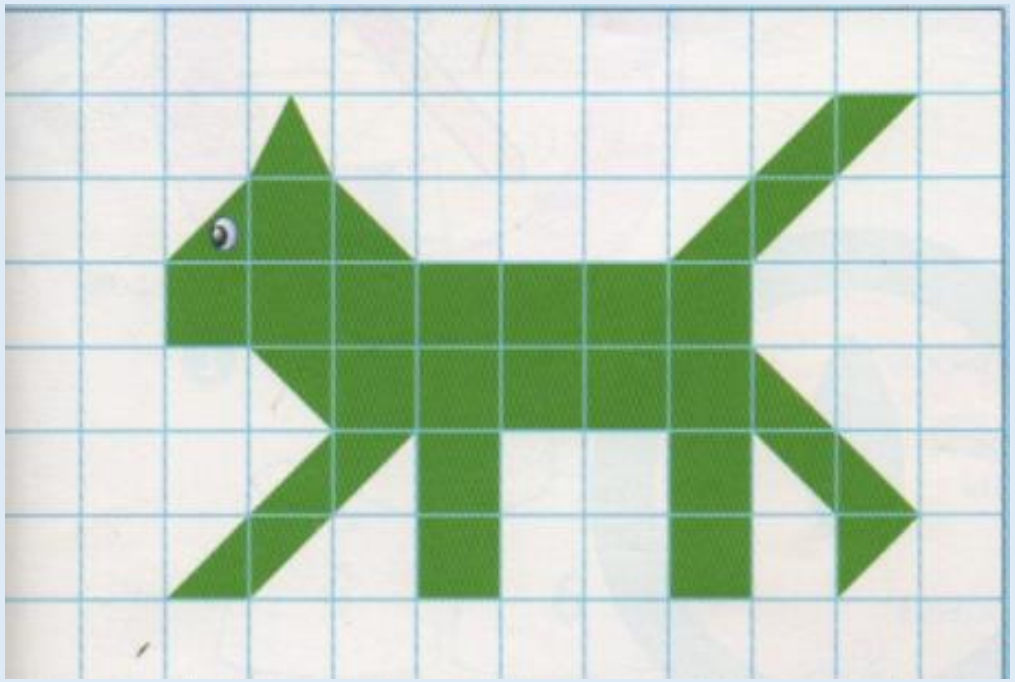
https://www.youtube.com/watch?v=RvHc5Sdcd7A

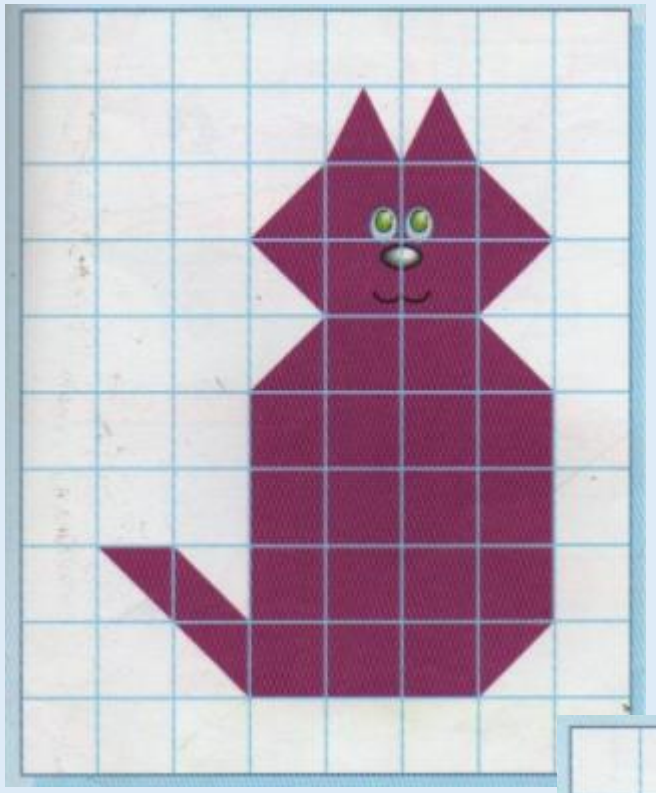
Area and perimeter of animals

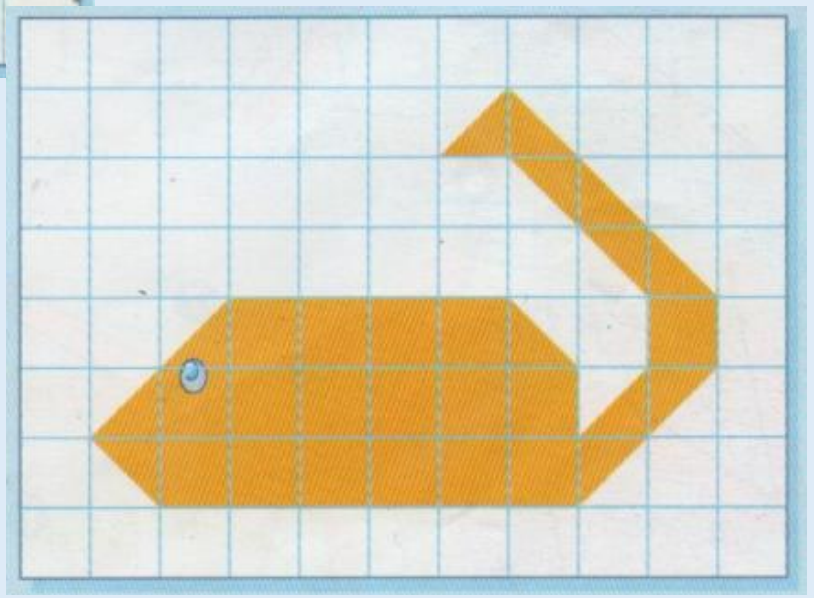
In your books create a table like this, over the next few slides you will see some animals drawn on a grid, can you work out their area and perimeter?

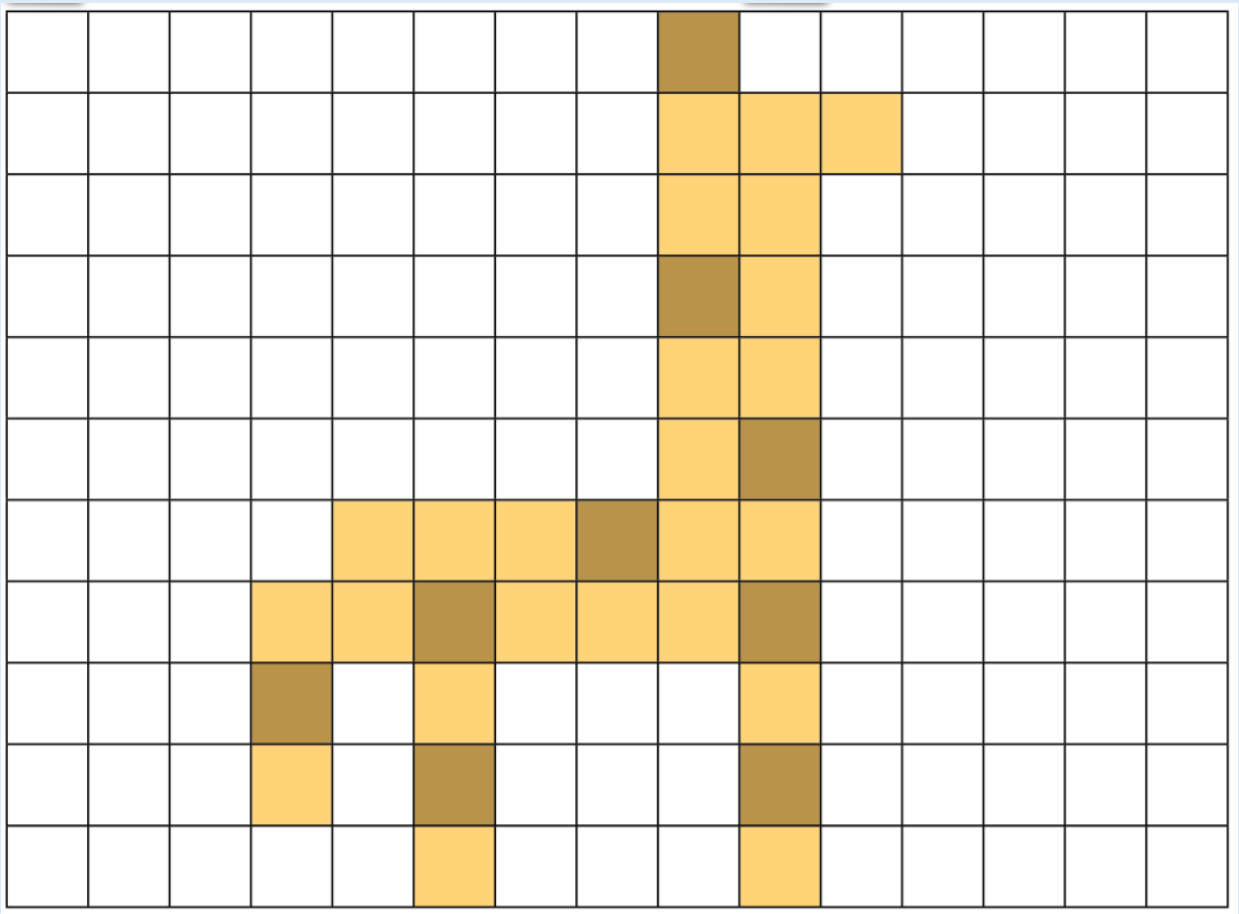
Each square is 1 cm!

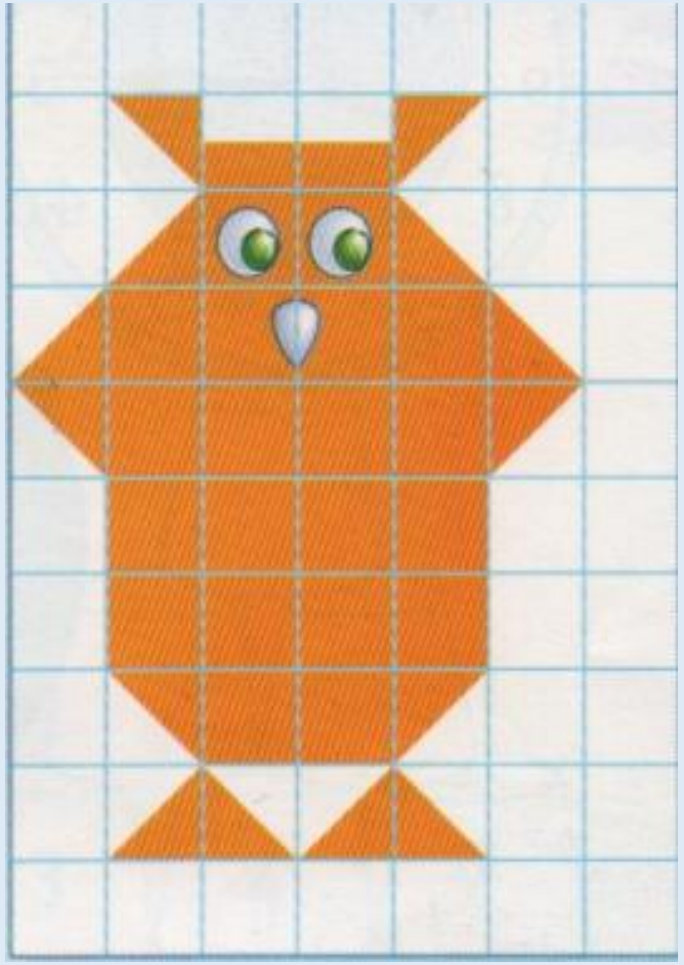
Animal	Area	Perimeter
Bird		
Dog		
Owl		
Giraffe		
Elephant		
Cat		
Mouse		
Monkey		

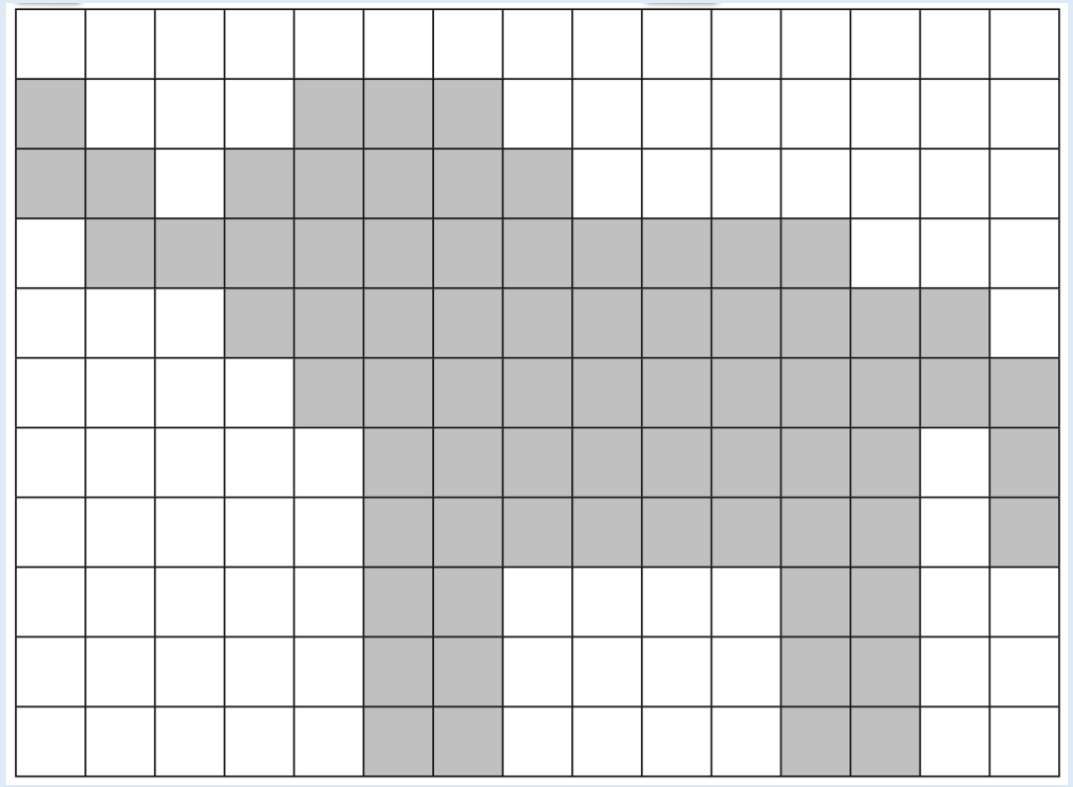


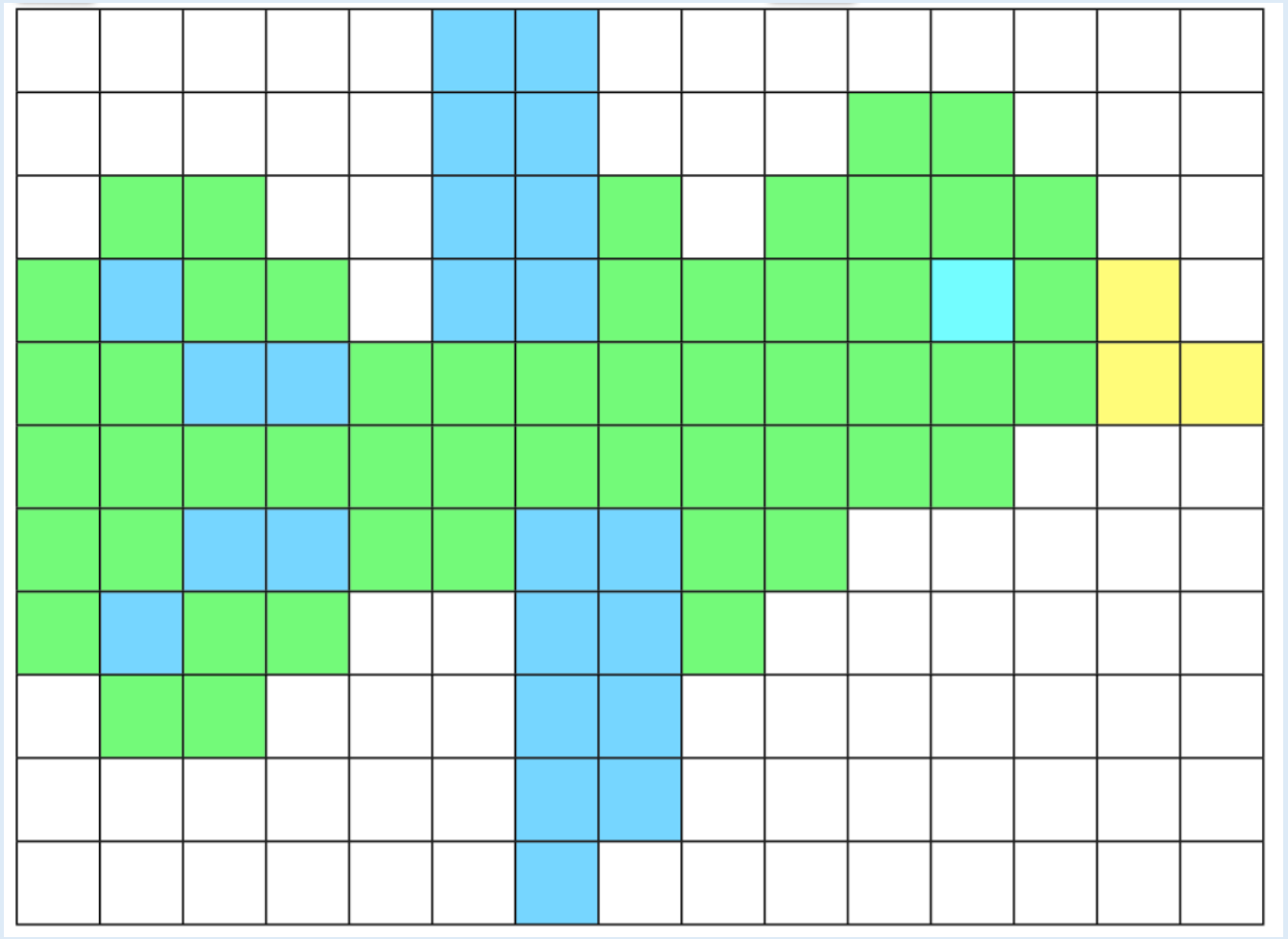


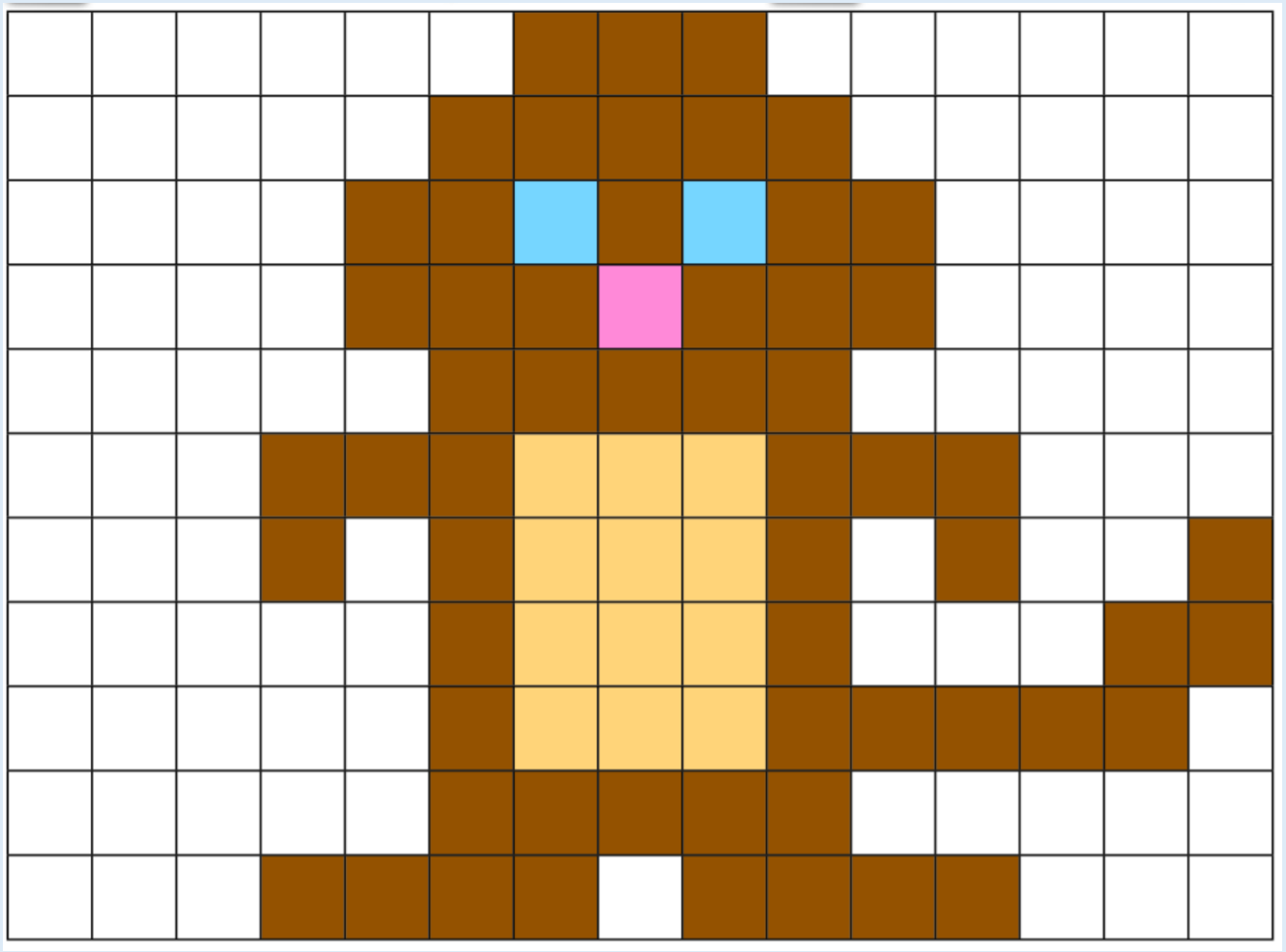












Extension;
What fraction of the monkey is…..
Brown?
Yellow?
Blue?
Pink?

Answers

Warm up=

Answer:

Orange = 48 cm^2

Blue = 72 cm^2

Green = 24 cm^2

Total = 144 cm^2

Animal	Area	Perimeter
Dog	25 cm^2	38 cm
Cat	27 cm^2	24 cm
Mouse	23 cm^2	27 cm
Giraffe	33 cm^2	48 cm
Owl	28 cm^2	29 cm
Elephant	74 cm^2	66 cm
Bird	82 cm^2	64 cm
Monkey	72 cm^2	72 cm

Extension;
What fraction of the monkey is…..
Brown- 57/72
Yellow- 12/72 or 1/6
Blue- 2/72 or 1/36
Pink- 1/72