

June Learning

This shouldn't require printing, you can just make notes guys.

Complete the VF strips before the PSR strip.

Remember to choose to do **either** strip **a** or **b**, you don't have to do both for the varied fluency sheet (VF) and problem solving and reasoning sheet (PS/R)

Complete the worksheets at your level:

GD - Blue

E - Green (Unless you want to push yourself - try GD)

D - Yellow (If you feel secure try E) / Red

There are also challenges - Do whichever you feel you can - or try all of them!

Don't be afraid to challenge yourself!



Maths is easier when you smile!

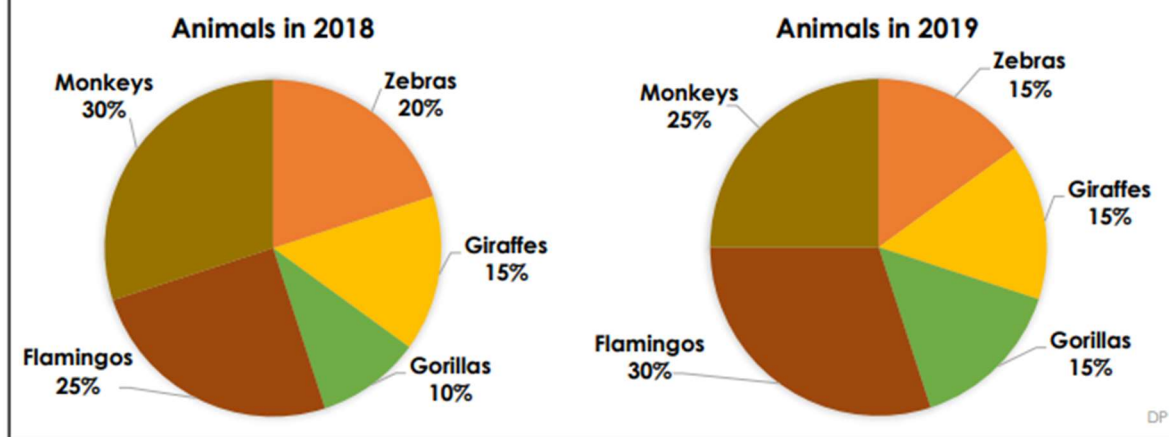


Pie Charts with Percentages

1. A safari park counted the total number of animals they had in 2018. They converted their data into a pie chart.

There were 18 gorillas in the safari park in 2018. Investigate how many of each type of animal there were in 2019.

The total number of animals stay the same each year.



Key points

Total number of animals doesn't change - how can we work out the total? They gave us this info- 18 Gorillas = 10% in 2018 so total number of animals = 10 x more than that!

2019

We still have a total number of animals.

What fraction is 25% ?

How can you find 5%? 15%?

Check answers page see if you were right.

The Mean

1. A restaurant has worked out the weight of some ingredients that they use each day during the week in kg. They have rounded the weight to 1 decimal place.



	Carrots	Potatoes	Beef	Chicken	Fish
Mon	39kg	75kg	50kg	65.2kg	56.3kg
Tue	41kg	90kg	75.1kg	72kg	60.1kg
Wed	53.1kg	107.4kg	79kg	61.3kg	51kg
Thu	52.7kg	102.2kg	81kg	71kg	69.9kg
Fri	71kg	125.5kg	105.1kg	95kg	78kg
Sat	85.9kg	150kg	125kg	140.4kg	92.5kg
Sun	64kg	120.7kg	90.5kg	104kg	101.1kg
Mean kg					

Calculate the mean weight of each ingredient used in a week.

The manager of the restaurant would like to organise the data. Explore the different ways that it could be ordered.

DP

How to Find the Mean

The mean is the **average** of the numbers.

It is easy to calculate: **add up** all the numbers, then **divide by how many** numbers there are.

In other words it is the **sum** divided by the **count**.

Example 1: What is the Mean of these numbers?

6, 11, 7

- Add the numbers: $6 + 11 + 7 = 24$
- Divide by *how many* numbers (there are 3 numbers): $24 / 3 = 8$

The Mean is 8

Check answers page see if you were right.

Pie Charts with Percentages

1. A safari park counted the total number of animals they had in 2018. They converted their data into a pie chart.

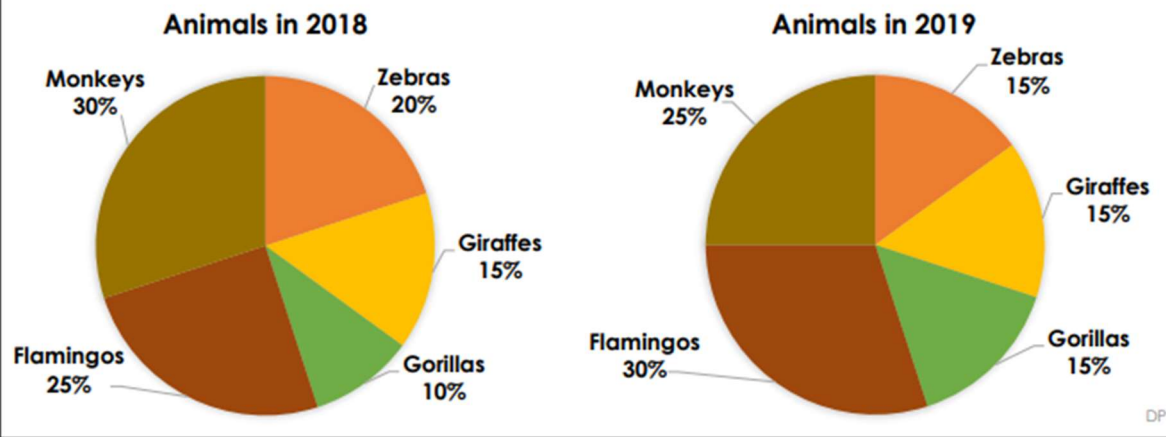
There were 18 gorillas in the safari park in 2018. Investigate how many of each type of animal there were in 2019.

The total number of animals stay the same each year.

There are 180 animals in total.

In 2018 there are 36 zebras, 27 giraffes, 18 gorillas, 45 flamingos and 54 monkeys.

In 2019 there are 27 zebras, 27 giraffes, 27 gorillas, 54 flamingos and 45 monkeys.



The Mean

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Sat	85.9kg	150kg	125kg	140.4kg	92.5kg
Sun	64kg	120.7kg	90.5kg	104kg	101.1kg
Mean kg	58.1kg	110.1kg	86.5kg	87kg	72.7kg