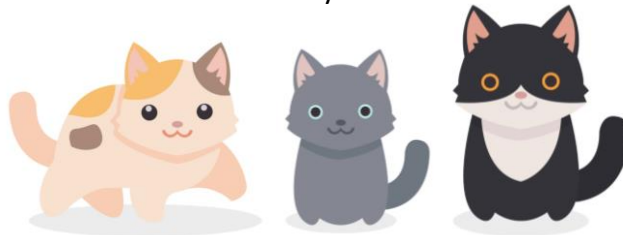


# Three cats

Written by Liz Gibbs



*The Busy Lizzie Maths Library*

## Three cats

Evie has 3 cats.

Each cat is a different age.

The total age of the first and third cat is 5.

The total age of the second and third cat is 8.

The total age of all three cats is 11.

How old is each cat?



## Three cats

We are told that the combined ages of all the cats is 11 years.

We know that Cat 1 and Cat 3 have a combined age of 5 years and that Cat 2 and Cat 3 have a combined age of 8 years.

If we subtract 8 years from 11 years, it means Cat 1 is 3 years old.

If we then subtract 3 years from 5 years, it means Cat 3 is 2 years old.

This means that Cat 2 is 6 years old.

We can check this by adding all three ages together,  $3 + 2 + 6 = 11$ .