

## Pet time

LO: to calculate time intervals 1

*(can the times be made into digital clock faces?)*

How long does Max the rabbit's vet check take?

8.30  9.10 = \_\_\_\_\_ minutes

How long does it take to brush Dillon the angora rabbit?

1.15  1.50 = \_\_\_\_\_ minutes


How long does Harriet the rabbit take to have an x-ray?

11.50  12.05 = \_\_\_\_\_ minutes


How long does Sophie take to eat her herb leaves and fresh vegetables?

3.25  4.15 = \_\_\_\_\_ minutes

How long does Thumper spend grooming his wife Daisy?

9.50  10.35 = \_\_\_\_\_ minutes

How long do the rabbits hop around their run for?

5.55  6.35 = \_\_\_\_\_ minutes

## Pet time 2

**LO: to calculate time intervals 2**

*(again can the times be made into digital clock faces?)*

How long does it take Max to feel better after his neuter operation?

9.30  11.50 = \_\_\_\_\_ hours \_\_\_\_\_ minutes

How long does Dillon spend outside munching on grass?

3.25  4.55 = \_\_\_\_\_ hours \_\_\_\_\_ minutes


How long have the two rabbits spent cuddled together?

7.35  10.45 = \_\_\_\_\_ hours \_\_\_\_\_ minutes

How long does it take the rabbits to find all their hidden fruity treats?

1.05  2.10 = \_\_\_\_\_ hours \_\_\_\_\_ minutes

How long does the vet take to check all the rabbits?

10.50  12.05 = \_\_\_\_\_ hours \_\_\_\_\_ minutes

How long did the rabbits spend hopping around the garden?

6.15  10.05 = \_\_\_\_\_ hours \_\_\_\_\_ minutes

How long did Marigold the rabbit stay fast asleep for?

7.50  11.30 = \_\_\_\_\_ hours \_\_\_\_\_ minutes

How long do George and Mildred have to wait until they go to their new home?

12.10  2.35 = \_\_\_\_\_ hours \_\_\_\_\_ minutes

## A vet's day

LO: to calculate time intervals from timetables

### A vet's day at Wood Green the Animals Charity

Time	Activity
8.00 - 8.30	Check lab reports and blood results
8.30 - 9.00	
9.00 - 9.30	Dog vet checks
9.30 - 10.00	
10.00 - 10.30	
10.30 - 11.00	Rabbit vet checks
11.00 - 11.30	
11.30 - 12.00	
12.00 - 12.30	Lunch break
12.30 - 1.00	Operations and x-rays
1.00 - 1.30	
1.30 - 2.00	
2.00 - 2.30	
2.30 - 3.00	Rehomed animals follow up vet checks
3.00 - 3.30	
3.30 - 4.00	Rodent vet checks
4.00 - 4.30	



What time do rabbit vet checks start and finish?

What is the vet doing at 11.30am?

How many rabbit vet checks does the vet do on this day if they take 30 minutes each?

How long does the vet spend on vet checks on this day in total?

If the operations take longer than expected and the vet is 25 minutes late to finish them, how long in total does the vet spend doing operations and x-rays?

A rabbit arrives as an emergency at 4pm and his vet check takes 40 minutes. How long in total has the vet worked for on this day not counting their lunch break?

### Extension

Can you make your own timetable for a small animal rehomer and make some questions to challenge a friend to answer?

## Calendar challenge

**LO: to use a calendar to calculate time intervals**

Use this year's calendar to answer the following questions:

On average rabbits stay 53 days at Wood Green before finding a new home. If Henrietta arrived at Wood Green on September 3 and stays for 47 days, what date does she go to her new home?

Charlie the rabbit arrived at Wood Green on March 3 and went home 36 days later with his new wife. What day did he leave Wood Green?

Rusty the rabbit arrived at Wood Green on November 27 and by luck 15 days later his family who had lost him when he hopped out over their fence spotted him at Wood Green. On what date did they spot him?

Snowy the rabbit arrived at Wood Green on May 30 and was given medicine to kill his mites. Exactly 4 weeks later he was given a vet check and he had no mites - the medicine had worked. On what date was this?

On June 14 Rory the rabbit arrived at Wood Green and exactly 3 weeks later moved in to share a run with Rachel. 2 weeks after this a family fell in love with them and took them home 3 weeks later once they had built a large hutch and run. On what date was this?

## Deciding on decimals

LO: to convert between units of measure using decimals

The smallest run size for a pair of rabbits that Wood Green recommends is 3 metres. Write this in centimetres.

Rob the male rabbit weights 3.4 kgs. Write this in grams.

A rabbit hutch that is 154 cms long is being sold to use with a run. How long is the hutch in metres?

A pair of rabbits weigh 3.8kilograms each. How much do they weigh in grams altogether?

To fill up all the rabbit water bottles every day uses 9.5 litres of water. How much is this in millilitres?

A very weak stray rabbit arrives at Wood Green that can only hop 3 metres before having to stop for a rest. How long is this distance in centimetres?

To clean a rabbit run ready for new rabbits to arrive uses 245 millilitres of disinfectant. How much is this in litres?

## Pet pictogram

**LO: to use tally charts and pictograms to represent results**

On Tuesday the following animals arrived at Wood Green:

Animal	Number	Tally
Dog	8	
Cat	7	
Rabbit	3	
Horse	1	
Chicken	12	
Guinea pig	2	

**Can you fill in the tally column to show the number of each animal that arrived on Tuesday?**

This information was then made into a pictogram below with one food bowl representing one animal:

*(pictogram with number of animals up vertical axis and animal type along bottom axis and divided into separate columns.*

*Food bowls drawn in for dogs and cats on top of each other in a vertical line)*

Some of the information is missing from the pictogram. Can you fill in the missing information?

Use the pictogram to decide which animal had the most arrivals on Tuesday:

\_\_\_\_\_

## Animal accounting just for fun Calculator veterinary care challenges

### Veterinary care over one year

Type of veterinary care	Number of animals
Medical check by vet or nurse	20,596
Major operation	347
Neutering operation (to prevent unwanted litters)	1710
Dental procedure	702
X-ray	269

#### Challenge 1

If an average medical check takes 8 minutes, how long in total in minutes did Wood Green staff spend completing medical checks in this year?

How long was this in hours and minutes?

#### Challenge 2

If each x-ray cost Wood Green £14.25 and each medical check cost £16.70, how much in total did x-rays and medical checks cost over this year?

#### Challenge 3

In addition to the veterinary care given, surgery staff also microchip all cats, dogs, rabbits and ferrets at Wood Green before being rehomed. In one year 1346 dogs were microchipped, 1668 cats, 176 rabbits and 19 ferrets. If a microchip costs £4.70, how much did it cost to microchip all these animals in one year?



## Answers

**Animal challenge LO: to solve one step problems involving numbers**

10, 22, 42, 9, 24

**Pet problems LO: to solve one and two step problems involving numbers**

53 days, 13 days, 30 days, 41 days, 104 days

**Pet percentages LO: to solve multi-step problems involving percentages 2**

Type of animal	Number	% of total
Dog	1842	50
Cat	1170	32
Rabbit	124	3
Guinea pig	132	4
Rodent	187	5
Chicken	201	5
Goat	41	1

12%, 18%, 36 sheep

**Furry fractions LO: to find fractions of numbers**

4, 5, 9, 6

Extension: 20 days

**Pet time LO: to calculate time intervals 1**

40 mins, 35 mins, 15 mins, 50 mins, 45 mins, 40 mins

**Pet time 2 LO: to calculate time intervals 2**

2 hrs 20 mins, 1 hr 30 mins, 3 hrs 10 mins, 1 hr 5 mins, 1 hr 15 mins, 3 hrs 50 mins, 2 hrs 40 mins, 2 hrs 25 mins

**A vet's day LO: to calculate time intervals from timetables**

Start 10.30 and finish 12.00, rabbit vet checks, 3, 5 hrs, 2 hrs 25 minutes, 8 hrs 40 minutes

**Calendar challenge LO: to use a calendar to calculate time intervals**

20 October, 8 April, 12 December, 27 June, 9 August

**Deciding on decimals LO: to convert between units of measure using decimals**

300 cms, 3400 grams, 1.54 metres, 7600 grams, 9500 millilitres, 300 cms, 0.245 litres

**Pet pictogram LO: to use tally charts and pictograms to represent results**

*(tally column completed*

*Mini pictogram completed)*

Chickens are the animal that had the most arrivals on Tuesday

**Animal accounting just for fun - calculator veterinary care challenges**

164,768 minutes, 2746 hours and 8 minutes, £347,786.45, £49,145, £15,082.30