

## DogsTrust

## Canine



## For 7-11 year olds

## Maths | Citizenship | PSHE

## learnwithdogstrust.org.uk

## Teacher's notes

## About this activity

In these activities, pupils will practice their adding, subtraction and multiplication of numbers, and analyse data to find the answers while exploring the costs involved in owning a dog.

In the optional activites, pupils practise their data analysis and Venn diagram skills as they investigate what is safe for dogs to eat and how much different dogs should eat to be happy and healthy.

## Age range: 7-11 years

## Subjects: Maths, PSHE and Citizenship

## You will need:

R Activity 1 - 'A visit to the Vet' and 'Vet's price list'
2 Activity 2 - 'Doggy shopping' and 'Doggy items price list'
23 Activity 3 - 'How much does Lulu cost?'

## Optional extension activities:

28 Activity 4 - 'Safe and toxic foods'
R Activity 5 - 'How much should my dog eat?'

## How to use this activity

Activity 1 - Pupils use the 'Vet's price list' (can be shared in pairs) to answer a series of questions about the cost of caring for a dog.

Activity 2 - Pupils use the 'Doggy items price list' (can be shared in pairs) to locate answers and calculate the cost of things that dogs need.

Activity 3 - The Jones family have adopted Lulu. Pupils answer five questions about how much it has cost the family, and how much they saved on vet bills and basic items by adopting Lulu from Dogs Trust.

Activities 2 and 3 are for use with older and/or more able pupils, or could be used as a paired, group or whole class activity.

Activity 4 - Pupils sort different foods and drinks into a Venn diagram showing which are safe and unsafe for dogs to eat, and what can be eaten safely by both dogs and humans. Pupils are also asked to think about what a dog owner can do to stop their dog eating something that could be dangerous for them.

Activity 5 - Pupils analyse the table of data looking at dog size, weight and activity levels to determine how much food they should be eating per day and per meal. Pupils are asked to think about the consequences of not feeding a dog the correct amount, and especially what happens if an owner feeds them too much.

# Teacher's notes 

Activity 1 Answers: 1) £255, 2) £375, 3) £120, 4) £344

Activity 2 Answers: 1) £21.00, 2)£0.53 3) Large dog: £37 + £11.20 + £5.99 + £6.49 + £12.99 + £3 = £76.67 Small dog: £18 + £6.50 + £3.49 + £6.49 + £12.99 + £3 = £50.47 4) Large, 5) £26.20

Activity 3 Answers: 1) £375, 2) £12, 3) £25, 4) £15.48, 5) £277.48

Activity 4 Answers - Task A:

## Just for humans

Coffee Garlic
Chewing gum Tea Onion Chocolate Boiled potatoes Grapes \& raisins

## Just for dogs

Dog food Dog biscuits

## Not safe for dogs or humans

Cooked chicken bones

Task B: Can you think of 3 things an owner could do to stop their dog eating something which could be dangerous for them? Answers may include:
Don't give food with those things as ingredients.
Place dangerous food on high shelves.
Store dangerous foods in cupboards the dog cannot open.
Tell other people/children not to share those foods with the dog. Only feed the dog food and treats meant for them.

## Activity 5 Answers

Task A: This activity is based on James Wellbeloved feeding guidelines - please note these may vary for other brands.

| Dog Name | Dog Weight (kg) | Activity Level | Food per day (g) | Food per meal (g) <br> Food per per day $\div 2$ |
| :---: | :---: | :---: | :---: | :---: |
| Example | 30 | low | 338 | $338 \div 2=169$ |
| Bella | 20 | low | 250 | $250 \div 2=125$ |
| Charlie | 5 | normal | 102 | $102 \div 2=51$ |
| Lola | 35 | normal | 440 | $440 \div 2=220$ |
| Bailey | 10 | low | 148 | $148 \div 2=74$ |
| Coco | 40 | high | 552 | $552 \div 2=276$ |
| Luna | 20 | high | 328 | $328 \div 2=164$ |
| Milo | 70 | high | 840 | $840 \div 2=420$ |
| Teddy | 50 | normal | 575 | $575 \div 2=287.5$ |

Task B: Sometimes owners do not measure their dog's food correctly and feed them too much. What could be the long-term consequences of this? Answers may include:
The dog gains weight/becomes obese.
The dog could develop health problems like diabetes or heart disease. The dog finds walking more difficult - they can no longer run, jump or play well (they are no longer able to have a 'normal' life).
Existing health issues could become worse e.g. joint problems, breathing difficulties.

## A visit to the vet

Use the 'Vet's price list' to answer the following questions

Q1. Millie takes her small, male dog to the vet to be microchipped
$£$ neutered and vaccinated. Calculate the cost of Millie's visit.

Q2. Tariq takes his large, female dog to the vet to be microchipped, £
 neutered and vaccinated. Calculate the cost of Tariq's visit.

Q3. How much more did


Tariq pay for his dog's treatment than Millie?

Q4. A dog needs to be given flea and worming treatment every month.

How much does it cost to treat a large and a small dog for one year?

## Vet's price list



## Doggy shopping

## Look at the 'Doggy item price list' and answer the following questions

Q1. Harry's large dog eats two tins of dog food per day. How much does it cost Harry to feed his dog each week?

Q2. Sally's dog has a long coat, which needs grooming every day. She bought a new brush, a dog toy and some dog chocolate. How much change did she get from £10.00?

Q3. Find the prices, and calculate the totals for this shopping list. First for a large dog and then for a small dog.

| Item | Large dog | Small dog |
| :---: | :--- | :--- |
| Bed |  |  |
| $2 \times$ Bowls |  |  |
| Collar |  |  |
| Engraved Tag |  |  |
| Long Lead |  |  |
| $3 \times$ Treats |  |  |
| TOTAL COST |  |  |

Q4. Which dog costs the most?

Q5. How much more does their shopping list add up to?

## Doggy items price list



Dog collar


Dog food


Dog chocolate


Dog bed


Engraved tag

## How much does Lulu cost?

## Use both price lists to answer the following questions.

Q1. The Jones family adopt a small, adult,

£ Dogs Trust neuter, microchip and vaccinate all dogs in their care.
How much would this usually cost for Lulu?

Q2. Lulu will be given one month's flea treatment and wormer before she leaves. How much would this usually cost for Lulu?

Q3. Lulu will have one month's pet insurance free. How much would this usually cost for Lulu?

Q4. When Lulu leaves Dogs Trust, the Jones family are given a brand new collar and short lead and a bag of dry food for her. How much would these items cost for Lulu if the Jones family had to buy them?

Q5. The adoption fee at Dogs Trust is £150. How much did the Jones family save on vet bills and basic items by adopting? out together, then subtract the adoption fee.)

## Safe and toxic food

Task A: Sort the following foods and drinks into the Venn diagram.

## Just for humans

## Just for dogs

## Safe for both

Not safe for humans
$\square$


Cooked chicken bones

# Safe and toxic food 

Task B: Can you think of 3 things an owner could do to stop their dog eating something which could be dangerous for them?

1. $\qquad$
$\qquad$
2. $\qquad$
$\qquad$
3. $\qquad$
$\qquad$


# How much should 

## my dog eat?

Task A: Use the information in the table on the next page to calculate the correct meal sizes for these dogs (the top line is already done for you)

| Dog Name | Dog Weight (kg) | Activity Level | Food per day (g) | Food per meal (g) <br> Food per per day $\div 2$ |
| :---: | :---: | :---: | :---: | :---: |
| Example | 30 | low | 338 | $338 \div 2=169$ |
| Bella | 20 | low |  |  |
| Charlie | 5 | normal |  |  |
| Lola | 35 | normal |  |  |
| Bailey | 10 | low |  |  |
| Coco | 40 | high |  |  |
| Luna | 20 | high |  |  |
| Milo | 70 | high |  |  |
| Teddy | 50 | normal |  |  |


| Dog | Body Weight (kg) | High Activity | Normal Activity | Low Activity |
| :---: | :---: | :---: | :---: | :---: |
| Toy | 2 | 58 | 51 | 44 |
|  | 5 | 166 | 108 | 88 |
| Small | 10 | 195 | 172 | 148 |
| Medium | 15 | 265 | 233 | 201 |
|  | 20 | 328 | 289 | 250 |
|  | 25 | 388 | 342 | 295 |
| Large | 30 | 445 | 392 | 338 |
|  | 35 | 500 | 440 | 380 |
|  | 40 | 552 | 486 | 420 |
|  | 50 | 653 | 575 | 496 |
|  | 60 | 749 | 659 | 569 |
|  | 70 | 840 | 739 | 639 |
|  | 80 | 929 | 817 | 706 |
|  | 90 | 1015 | 893 | 771 |

## How much should my dog eat?

Task B: Sometimes owners do not measure their dog's food correctly and feed them too much. What could be the long-term consequences of this?

