

SPCA Auckland Education Teacher Guide Sheet

'Pet Populations' – Mathematics Curriculum Numbers - Level 4

'Make sensible estimates and check the reasonableness of answers'

It is assumed that the pupils are familiar with the following terms:

Addition
Multiplication
Number patterns

Answer to the Activity Sheet:

In one year, you would have a total of 53 cats

NAME _____

Activity Sheet

Pet Population

PET POPULATION - HOW DO WE GET SO MANY?

Auckland SPCA receives 12,000 animals per year, on average. The answer to this maths problem will help us understand why there are so many homeless pets.

Problem solving – After reading each sentence, write the correct number of cats in the box.

1. Pretend you have ONE unspeyed female cat. Her name is Sugar.

2. In January Sugar has FOUR kittens; two female and two male.

3. In June Sugar has her second litter of FOUR kittens.

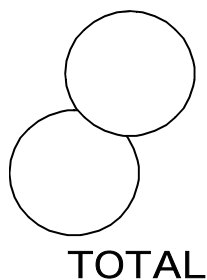
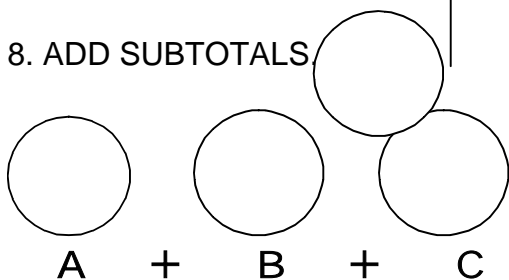
2. AND her TWO daughters have FOUR kittens each. (2 x 4)

5. In November Sugar has her third litter of FOUR kittens.

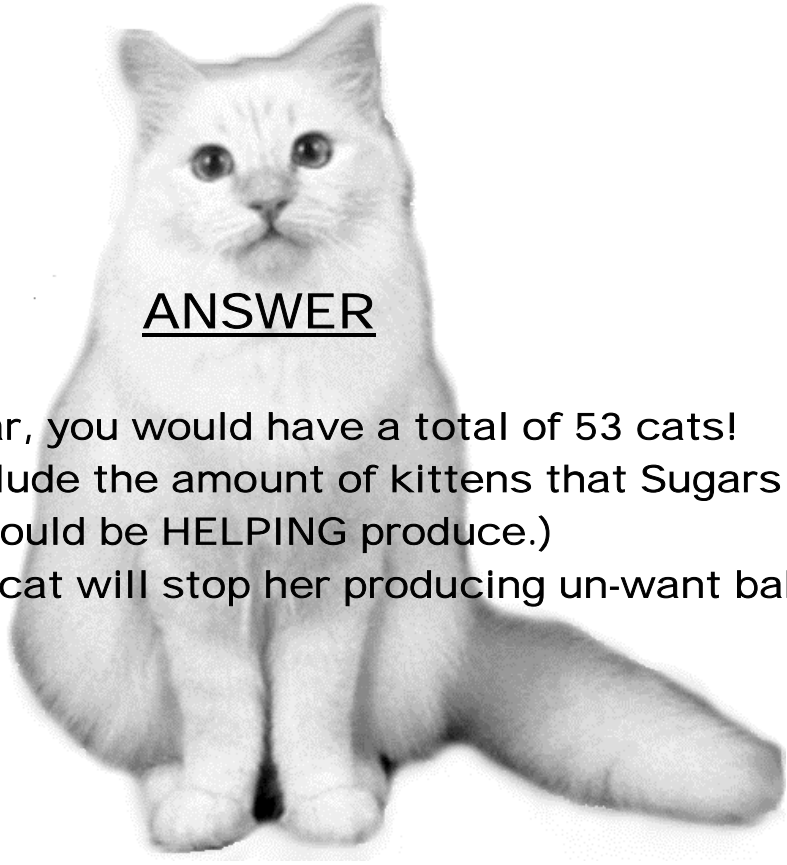
6. Her FOUR daughters each have a litter of FOUR kittens. (4 x 4)

7. AND her FOUR granddaughters each have a litter of FOUR. (4 x 4)

8. ADD SUBTOTALS



This is the TOTAL number of cats born to ONE unspeyed female cat in ONE year!



ANSWER

In ONE year, you would have a total of 53 cats!
(This does not include the amount of kittens that Sugars sons
would be HELPING produce.)
Speying a female cat will stop her producing un-want babies.