

# Worm Wipe-out

You need  a classmate

## Activity

Tavai and his friend Nikhil ask the vet about worming cats and dogs.

For cats, use 1 tablet for every 4 kilograms.  
For dogs, it's 1 tablet for every 10 kilograms.

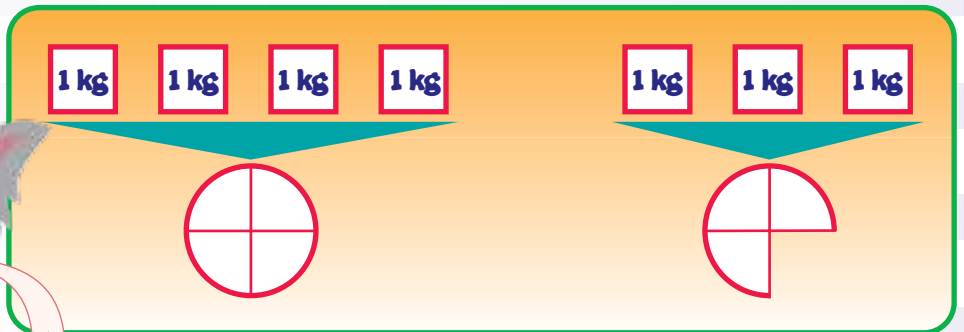
You can cut the tablets into halves and quarters.



Tavai works out how much he needs to give his cat, Fluffy.

Whew! She weighs in at 7 kilograms!

1 whole tablet for the first 4 kilograms ... That leaves another 3 kilograms.



So that's  $1\frac{3}{4}$  tablets.

1. How many tablets will Nikhil's pets need?

a. **Molly:**  
**6 kilograms**



b. **Sammy:**  
**25 kilograms**



c. **Rocky:**  
**18 kilograms**



2. Based on the cost of the whole and part tablets needed for 1 dose, answer the following questions:

- How much will it cost Tavai to worm Fluffy?
- How much will it cost Nikhil altogether to worm Molly, Sammy, and Rocky?

**Worm Tablets**  
**Cats: \$2.00 per tablet**  
**Dogs: \$2.80 per tablet**

3. Answer Brock's question:



- Tavai's friend Marsha has a cat and a dog. It costs Marsha \$7.20 each time she worms her pets. What might her cat and dog weigh?
- Discuss with a classmate how you could work this out.

5. Jodi has just wormed her cat:

It cost Jodi the same amount to worm me as it cost Henry to worm his dog.



I'm Henry's dog. I'm  $5\frac{1}{2}$  kilograms heavier than Jodi's cat.



- How much does each animal weigh?
- Explain how you worked this out.