

Year 2: Subtraction: Use partitioning to support subtraction

Hungry Hamsters

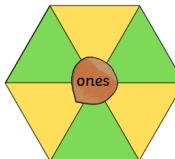
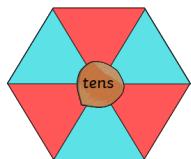
Aim of the Game

Who will finish feeding their hamster first? Find out how many nuts the hamsters want, work out how many nuts are left and see if you finish feeding your hamster first!

Before you start

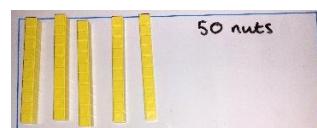
Have a chat about pets and hamsters – have they ever seen one? Do they have pets? What do they eat? Etc. Feel free to change the context of the game to suit the child.

You will need



Play

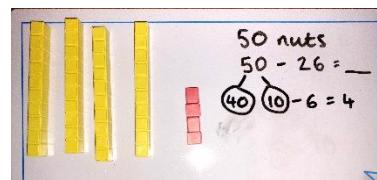
- One spinner is to generate tens numbers, the other to generate ones. Choose numbers to suit to the child and decide on a total number of nuts to begin with. You can use dice instead if preferred. Cut out or draw your own hamsters to feed!
- Use the paperclip and a pencil to make a spinner. Spin each spinner to find the total number of nuts to feed your hamster on your turn.
- Think aloud the process using base ten to support their understanding.
- Continue taking turns until a hamster has all the nuts!



I have **50** nuts to begin with.

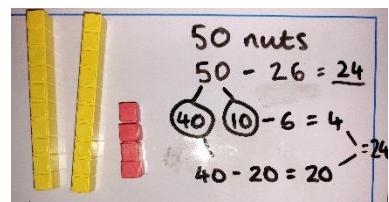
My hamster needs **6** nuts and **20** nuts which is **26** nuts in total. I need to find out how many nuts I will have left.

$$50 - 26 = \underline{\hspace{2cm}}$$



First, I subtract **6** from the ones but I have zero ones. I can take **6** from one of the **10s** instead.

10 subtract **6** is **4**. Now I have **44** nuts left.



Finally, I subtract **2** tens from **4** tens which is **2** tens. So, I have **24** nuts left. $50 - 26 = 24$

Adapt: Try representing this on a number line racing down to zero.

