## Miss Hughes' group - Reasoning and problem solving

1) And rew is tidying his toys away.  $\frac{1}{5}$  of his toys are still on the floor.



How many toys does Andrew have altogether? Explain your answer.

								Total cars =				

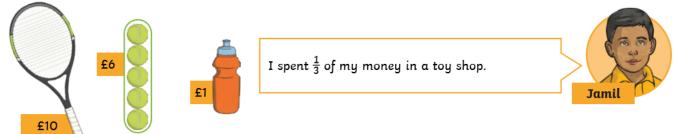
 Do you agree with Yanick? Prove your answer.

I have found  $\frac{1}{4}$  of 44 using place value counters.

11 is the answer.

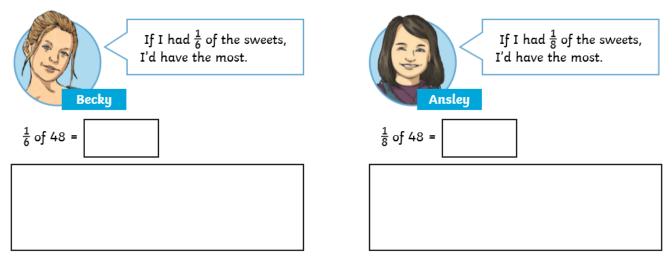


3) Jamil has £33.



Jamil then spent  $\frac{1}{2}$  of his change in a sports shop. What items did he buy? Use reasoning to explain your answer.

 Two children discuss who would get the most of 48 sweets available. Who is right?



2) Two shops sell the same jumper costing £42. Which shop sells the jumper at the cheaper price? Explain your answer.

In Shop A, the jumper is reduced by  $\frac{1}{3}$ .

In Shop B, the jumper is reduced by  $\frac{1}{6}$ .

3) The school council have 70 packs of raisins to sell at break time to raise money for a school trip. To raise the most money, should they aim to sell  $\frac{1}{5}$  or  $\frac{1}{7}$  of the packs of raisins? Explain your reasoning.

4) How many ways can you find a unit fraction of 48? One has been done for you.