

Miss Hughes' group – Reasoning and problem solving

- 1) Andrew 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.

[illegible]

- 2) Do you agree with Yanick?
Prove your answer.

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



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- 3) Jamil has £33.



I spent $\frac{1}{3}$ of my money in a toy shop.



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

[illegible]

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



If I had $\frac{1}{6}$ of the sweets,
I'd have the most.

Becky

$\frac{1}{6}$ of 48 =



If I had $\frac{1}{8}$ of the sweets,
I'd have the most.

Ansley

$\frac{1}{8}$ of 48 =

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.

$\frac{1}{2}$ of 48 is 24. ←

48