


1. Whitney has 12 chocolates. 
- On Friday, she ate  $\frac{1}{4}$  of her chocolates and gave one to her mum.
- On Saturday, she ate  $\frac{1}{2}$  of her remaining chocolates, and gave one to her brother.
- On Sunday, she ate  $\frac{1}{3}$  of her remaining chocolates.
- How many chocolates does Whitney have left?

She starts with 12.

If  $\frac{1}{4}$  is eaten that is 3 and 1 is given away, she will now have 8.

Half of 8 is 4 and she gives one away, so that leaves her with 3.

With 3 remaining,  $\frac{1}{3}$  eaten will mean she has eaten 1.

**She has 2 left.**

2. Fill in the Blanks

$$\frac{1}{3} \text{ of } 60 = \frac{1}{4} \text{ of } \boxed{\phantom{00}}$$

$$\frac{1}{\boxed{\phantom{00}}} \text{ of } 50 = \frac{1}{5} \text{ of } 25$$

Work out the parts you know are complete.

$$\frac{1}{4} \text{ of } 60 = 20. \quad \frac{1}{4} \text{ of } \boxed{80} = 20.$$

$$\frac{1}{5} \text{ of } 25 = 5. \quad \frac{\boxed{1}}{10} \text{ of } 50 = 5.$$

3. Two children discuss who would get the most of 48 sweets available. Who is right? Use bar models to explain your answer.



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

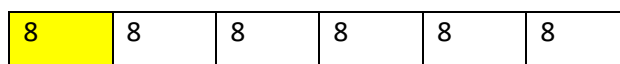
Becky



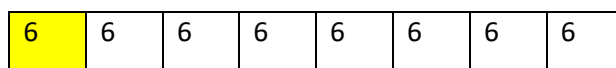
If I had  $\frac{1}{8}$  of the sweets, I'd have the most.

Ansley

Bar models:



Becky would have 8 sweets.



Ansley would have 6 sweets.

**Becky is right.**

4. 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.

$$\frac{1}{5} \text{ of } 70 = 14$$

$$\frac{1}{7} \text{ of } 70 = 10$$

**The school council should aim to sell  $\frac{1}{5}$  of the packs of raisins, as they would sell 14 packs in total. This is four more packs than they would sell if they sold  $\frac{1}{7}$  of the packs.**