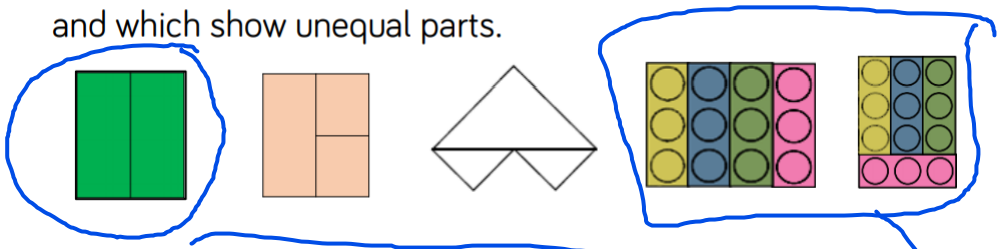
Question 1

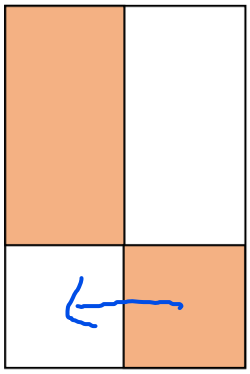
Look at the representations. Decide which show equal parts and which show unequal parts.



Equal

Question 2

Rosie says the shaded part of the shape does not show a half because there are four parts, not two equal parts.

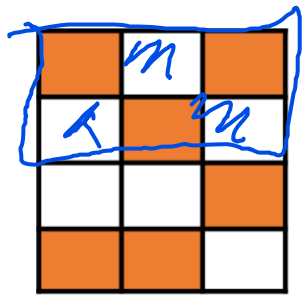


Do you agree? Explain why.

If this shape moved then half of the shape would be coloured and it would be equal.

Question 3

Dora is asked to shade half of her shape.
This is what she shades.



$\frac{1}{2}$ - $\frac{6}{12}$

6 squares are shaded which is the same as every one in two = $\frac{1}{2}$

Is she correct? Explain why.

Question 4

Which shapes represent one third?

Explain why the other circles do not represent one third.

This is $\frac{1}{4}$ as it is divided into 4.

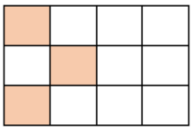
The other circles do not represent one third because they are not divided into 3 equal pieces.

[redacted]

Question 6

True or False?

This shows $\frac{1}{4}$



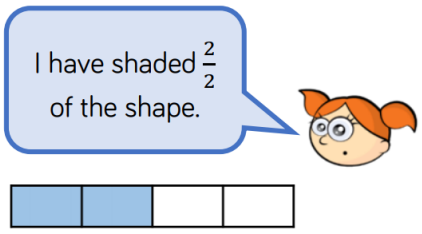
$\frac{3}{12}$ is shaded and this is the same as 1 out of 4 = $\frac{1}{4}$

Can you shade the same shape so that it shows $\frac{1}{3}$?

Any 4 squares

Question 7

Alex says,



What mistake might Alex have made?

$\frac{2}{2}$ is the same as 1 whole so the whole bar should have been shaded. I think Alex looked at the denominator and numerator and thought she needed to colour 2 squares. She does not understand what a 'whole' is.