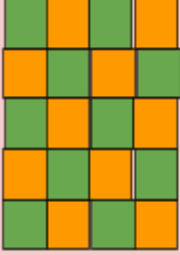



Mathematics

Learning Intention:

We can recognise and interpret common uses of halves, quarters and eighths of shapes.

Warm Up:

 <p>Divided by 4</p>	<p>18 - 14</p>
 <p>2 times</p>	<p>Half of 8</p>

Which one does not belong ?

How do you know ?

Square	Number Sentence
PINK	
PURPLE	
YELLOW	
BLUE	

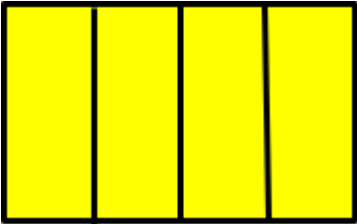
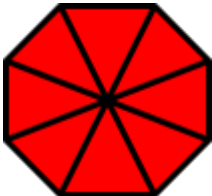
Task:

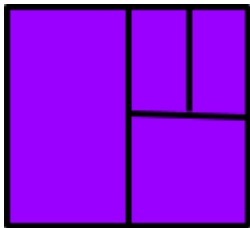
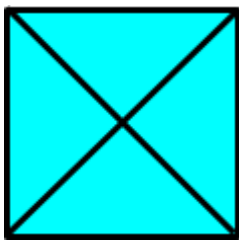
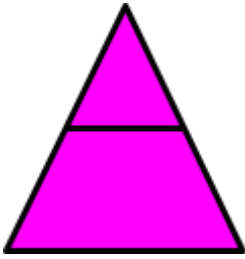
Do you agree?

Hannah and Jayden were looking at some whole shapes that had lines drawn on them to show different pieces. Hannah said some of the shapes did not all have equal pieces.

Jayden agreed with her.

1. What do you think? Fill in the table with your ideas:

Shape	How many pieces are there?	Is it equal pieces?	What is the Fraction for ONE piece?
			
			



2. How do you know when a shape is divided into **halves**?
3. How do you know when a shape is divided into **quarters**?

4. How do you know when a shape is divided into **eighths**?

If you need some help to get started:

- If **1 whole** is cut into **two equal pieces** then each piece is called **one half** and this is written as $\frac{1}{2}$.
- If **halves** are cut into **two equal pieces** then there are now **4 equal pieces** and each piece is called **one quarter**. This is written as $\frac{1}{4}$.
- If one quarter is cut into half then there are now **8 equal pieces** and each piece is called **one eighth**. This is written as $\frac{1}{8}$.

For the children who would like an extra challenge:

- Draw your own shape that is cut into **eighths**.
- Draw another shape that is cut into 8 pieces but they are **NOT eighths**.