Maths- Fractions

This lesson will be live on teams for your class at;

9am-5L

10am-5H

11am-5M

Learning objective; To understand what a fraction is and identify common fractions.

Warm up- fraction vocabulary.

Can you match the fraction vocabulary to their symbol representation.

Carefully copy the vocabulary, checking your spelling, and show the correct representation. E.g. one eighth = 1/8

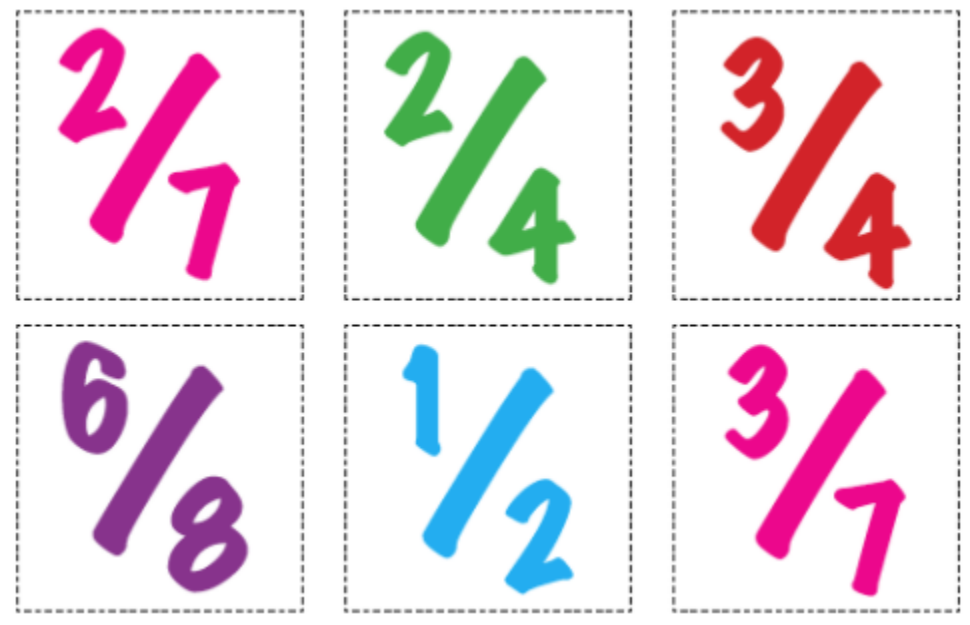
One half

Three quarters

Two sevenths

Six eighths

Three sevenths



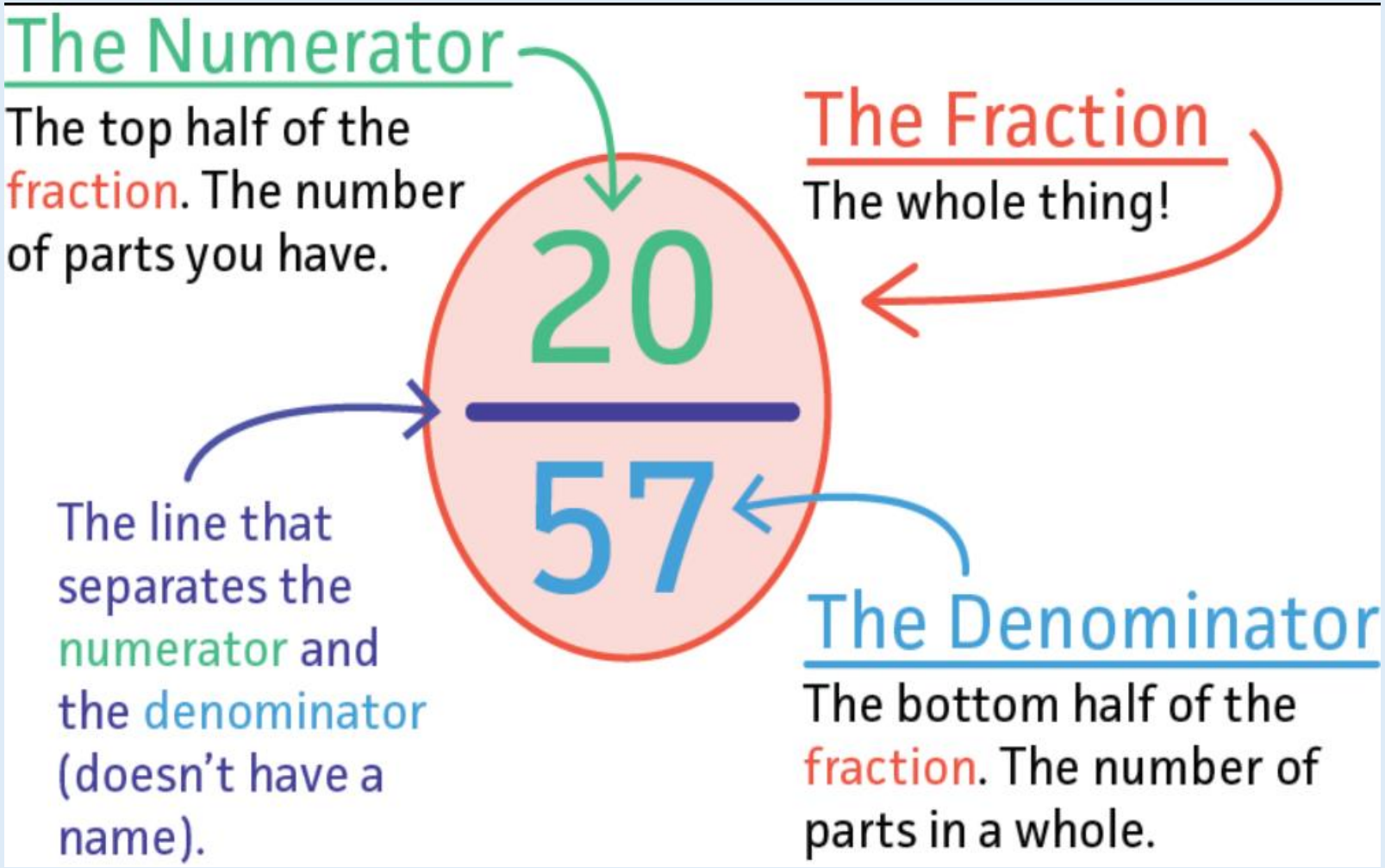
Name the fractions missing from this list.

What is a fraction?

A fraction is defined as;

- Part of a **whole**.
- A figure or set of items which has been partitioned **equally.**

They have **numerators** and **denominators** to determine how the whole of something (all of it) is being split equally and how much of it is being represented (coloured/added/used).



In your books can you write a definition of the three key pieces of vocabulary.
Use these examples to help you.

A fraction is……

A numerator is…….

A denominator is…….

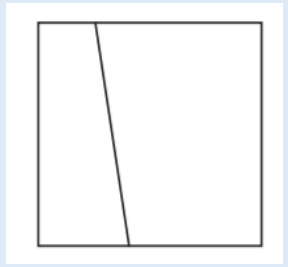
A fraction is where the **whole** is partitioned **equally**.

Looking at these shapes, some have been split to represent fractions, others have not been split equally. Can you determine which shapes are fractions and what their value is, and which shapes are not split equally.

e.g. 1. is not a fraction because it has not been split equally.

2. is a fraction, it is split into quarters.

1.



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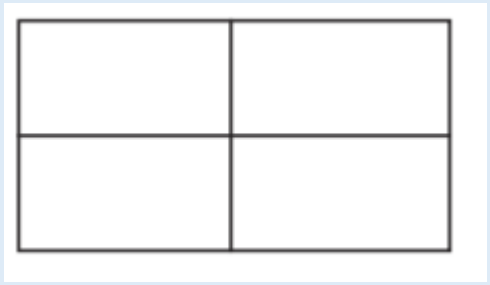

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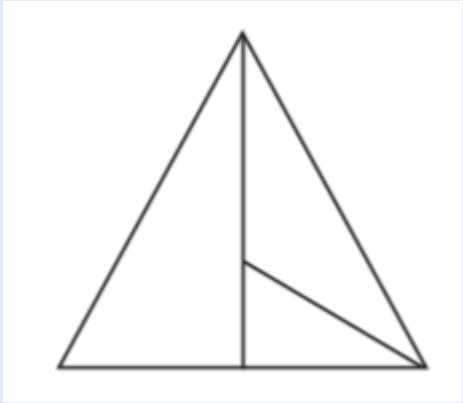

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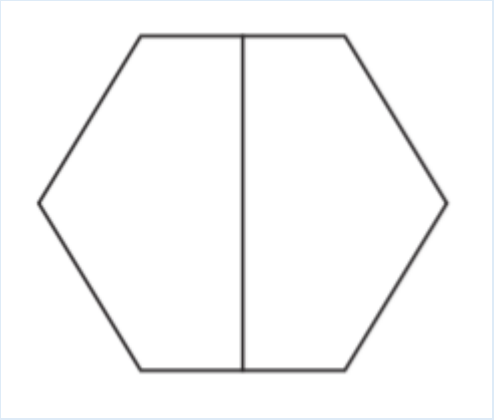

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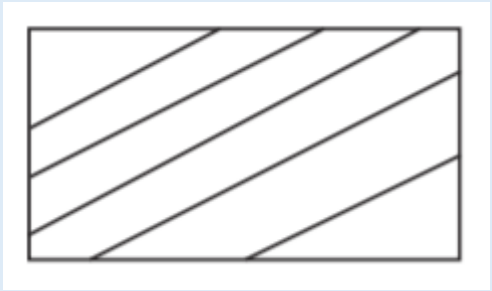

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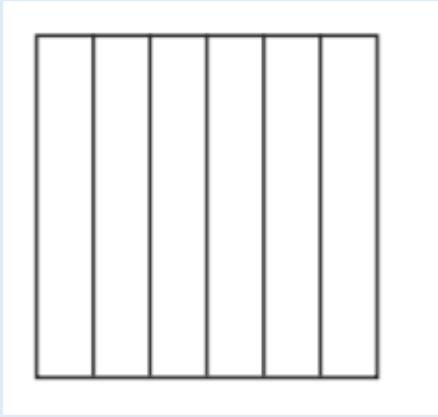

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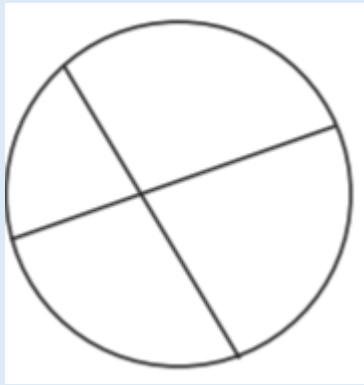

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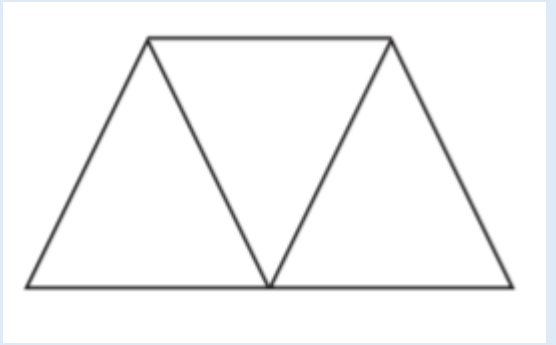


Conceptual understanding

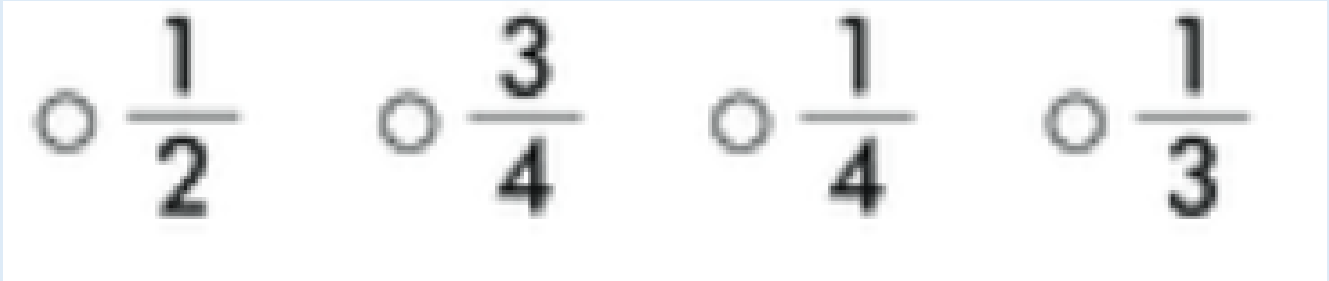
We will regularly see fractions written down like the example of the previous slide. It is important to note that fractions can be represented by anything.

If I have eight pairs of socks, and three pairs are blue, I am representing the fraction three eighths – 3/8.

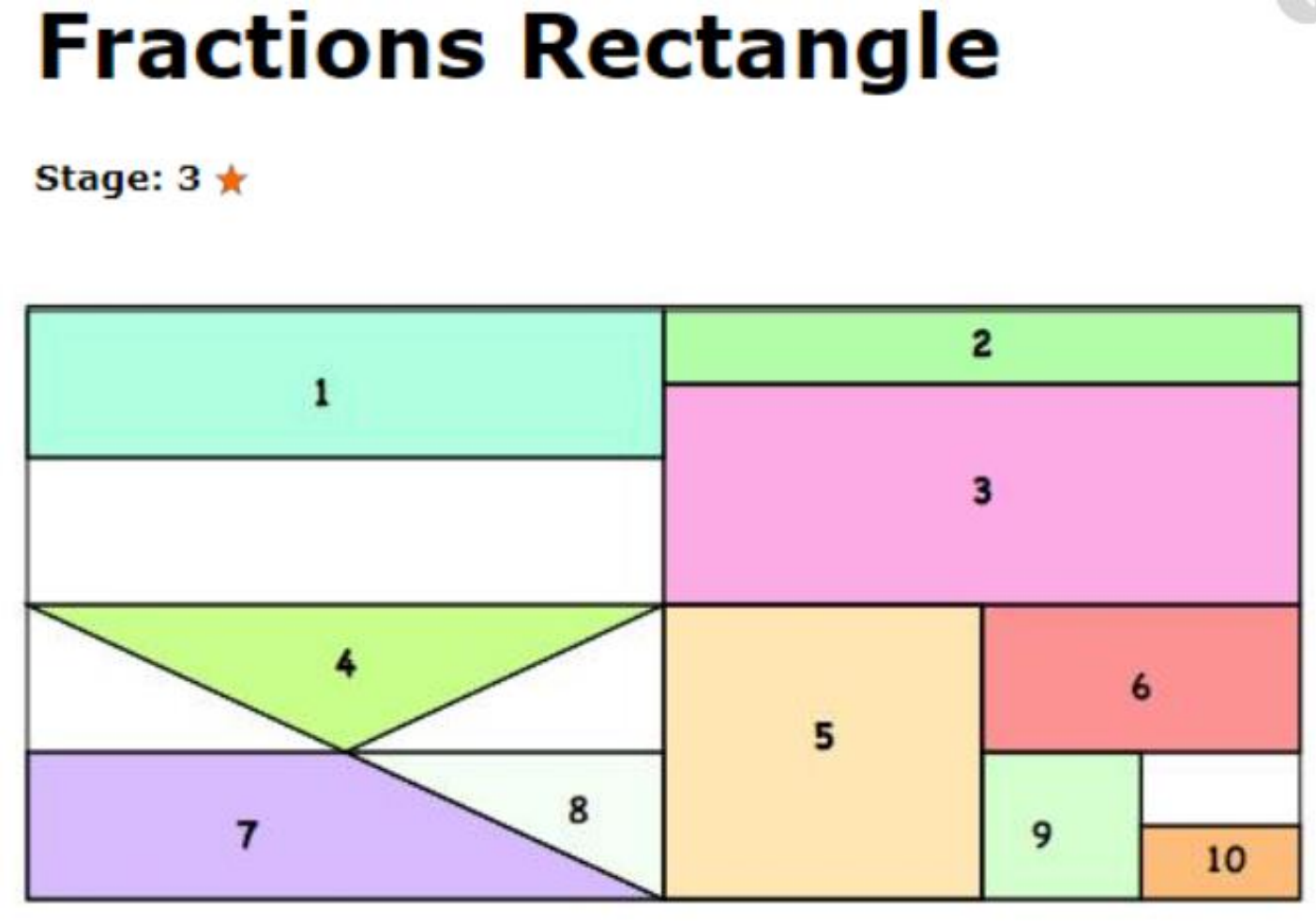
If a bottle holds 500 ml of water, and I drink 300 ml of water, there will be two fifths -2/5- of the water left.

Choose a fraction, look around your house to think of different ways you can represent it.

We don't need to write anything in your books, just spend some time thinking off the different ways you can show one or more of the fractions.



Plenary- what fractions can we see?



This rectangle has not been split into equal parts, however each number represents a fraction of the whole rectangle.

Which fractions can you identify of the whole rectangle.

e.g. 1. is representing one eighth- 1/8- because you would fit 8 of them into the whole rectangle.