Year 3
Maths
Tuesday 16th June 2020

Lesson Aims

- LO: I can find fractions of a group or a set of objects.

- SC: I count how many parts make a whole. This is the denominator.
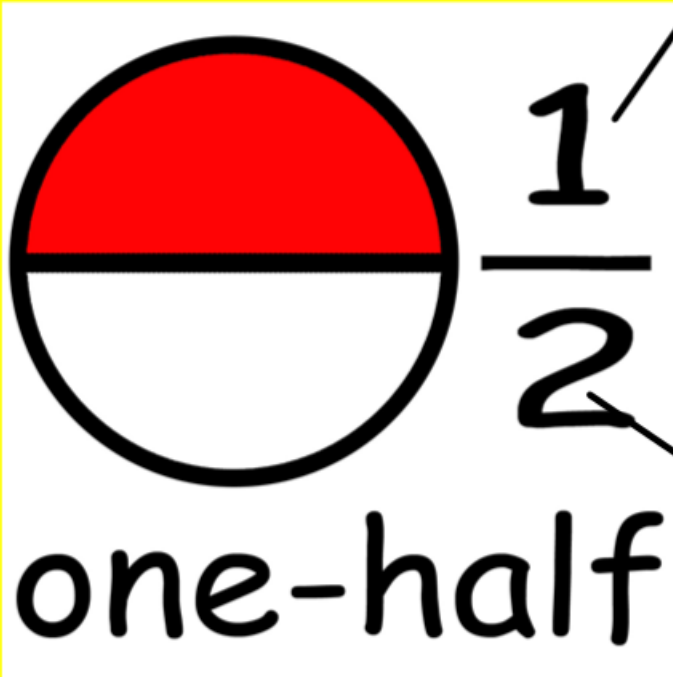- I count how many parts are shaded. This is the numerator.

Starter

What is this called? What does it mean?

What is this called? What does it mean?

one-half $\frac{1}{2}$

Starter Answers

Numerator. It tells you how many parts of the whole you are interested in or how many parts are shaded.

$$\frac{1}{2}$$

one-half

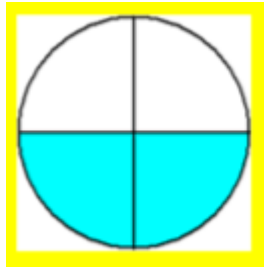Denominator. It tells you how many parts make a whole.

Main Teaching

To work out what fraction of a shape is shaded:

First we need to work out what the denominator is by counting how many parts the shape has been divided into.

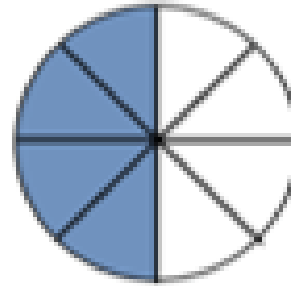Then we count how many parts have been shaded to find the numerator.
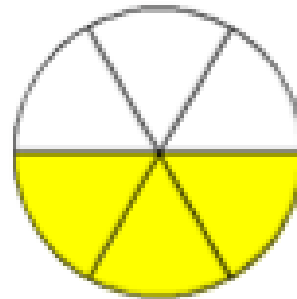
$$\frac{2}{4}$$

Fluency

- What is the fraction shaded?

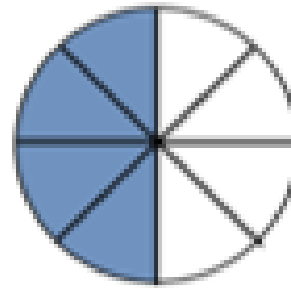- What is the fraction shaded?

Fluency answers
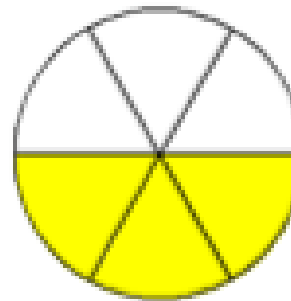
• What is the fraction shaded?

$\dfrac{4}{8}$

There are eight parts that make up the whole and four of them are shaded.
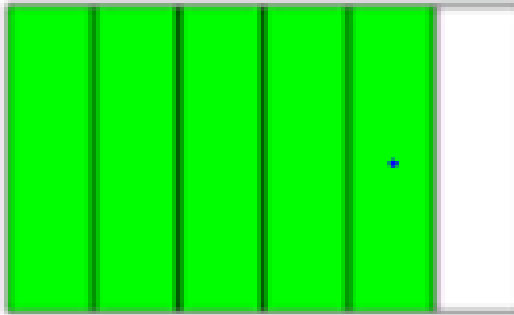
• What is the fraction shaded?

$\dfrac{3}{6}$

Fluency

- What is the fraction shaded?

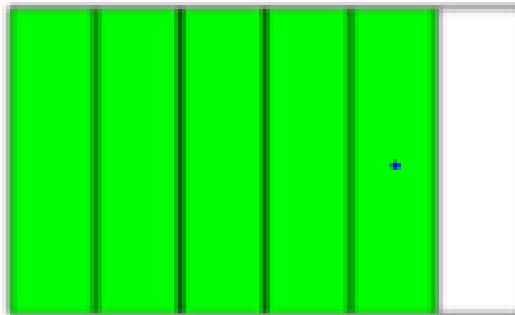- What is the fraction shaded?

- What is the fraction shaded?

$$\frac{3}{8}$$

- What is the fraction shaded?

$$\frac{5}{6}$$

Fluency

We can also use the same way of finding the denominator and numerator to help us find the fraction of objects in a group.

• What is the fraction of the apples is ringed?
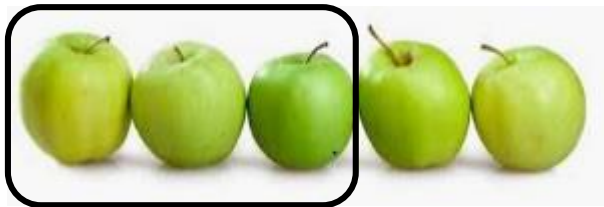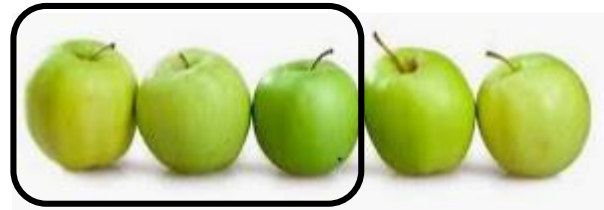

• What is the fraction of the monsters are yellow?

We can also use the same way of finding the denominator and numerator to help us find the fraction of objects in a group.

- What is the fraction of the apples is ringed?

$\frac{3}{5}$

- What is the fraction of the monsters are yellow?

$\frac{2}{12}$

1. Match the fractions to the representations to make a whole.

$$\frac{1}{2} \qquad \frac{2}{4} \qquad \frac{2}{3}$$

A.

B.

C.

Problem Solving

2. Aliya and Rahul have combined the number of balls they both have.

Aliya: I have less balls than Rahul.

Rahul: I have two of the same balls.

Use the clues to identify the fractions for each child. Write a statement for the representation using fractions.

Problem Solving Answers

1. A $= \dfrac{2}{4}$; B $= \dfrac{2}{3}$; C $= \dfrac{1}{2}$

2. Aliya $= \dfrac{1}{3}$; Rahul $= \dfrac{2}{3}$; $\dfrac{1}{3} + \dfrac{2}{3} = \dfrac{3}{3}$

Activity

- Please use Tuesday's sheet.

Activity Answers

1. $\dfrac{3}{9}$

2. $\dfrac{3}{16}$

3. $\dfrac{1}{8}$

4. $\dfrac{2}{6}$ = A $\dfrac{1}{6}$ = C $\dfrac{3}{7}$ = B

5. Ellie = $\dfrac{4}{7}$ Ron = $\dfrac{3}{7}$

8. Harry = $\dfrac{3}{9}$;   Toby = $\dfrac{2}{9}$;   Alina = $\dfrac{4}{9}$;