
Fraction Models

— Area Models and Length Models —

Length Models

Length models are linear models representing a whole which is divided into equal parts.

Example: $\frac{1}{4}$

The numerator represents the part that is shaded



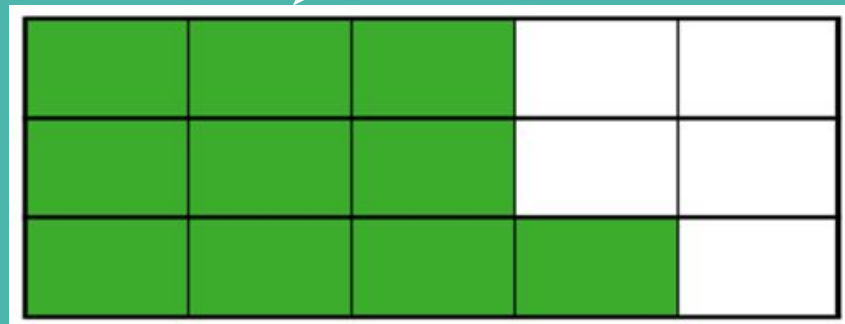
The denominator represents the amount of pieces the whole is broken into

Area Models

Area models are representing a region or shape which is partitioned into equal parts.

Example: $\frac{10}{15}$

The numerator represents the part that is shaded

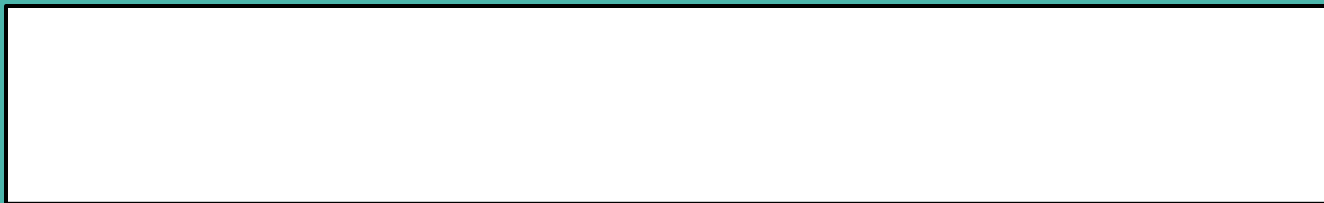


The denominator represents the amount of pieces the whole is broken into

Create a linear model that represents the fraction:

$$\frac{3}{5}$$

Remember, the numerator represents the shaded area and the denominator represents how many pieces to break the whole into.

A large, empty rectangular box with a black border, intended for drawing a linear model that represents the fraction 3/5. The box is positioned in the lower half of the page, against a teal background.

**Create a linear model -
you choose the fraction.**

Fraction:



**Use this shape to
create an area
model to represent
the fraction:**

$$\frac{2}{7}$$

Fraction:

Area Model:

**Create your own
area model.**

**You can choose the
shape and the
fraction.**