

Term 3 Week 3

- Smash up numbers
- Label fractions with key vocabulary
 - Show halves and quarters
- Show given fractions on shapes
 - Find fractions of amounts

Smash Up Numbers 😊

Roll your dice twice to make a two-digit number.
How many ways can you smash it up?

Fractions

[Fractions: Intro \(colorado.edu\)](#)

[Fractions: Game \(colorado.edu\)](#)

What is a fraction?

A fraction is made up of 3 parts:

$$\begin{array}{r} 3 \\ \hline 4 \end{array}$$

Numerator

Dividing line

Denominator

What is a fraction?

A fraction is made up of 3 parts:

$$\frac{3}{4}$$

Numerator

The numerator is how many parts you have of the 'whole'.

What is a fraction?

A fraction is made up of 3 parts:

$$\frac{3}{4}$$

Dividing line

A fraction tells you how many parts you have out of how many in the 'whole'.
The whole is divided into equal parts.

What is a fraction?

A fraction is made up of 3 parts:

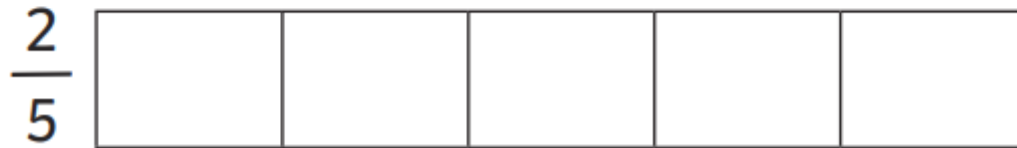
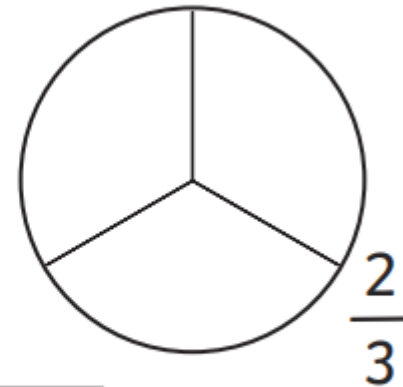
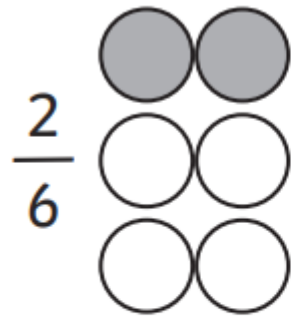
$$\frac{3}{3}$$

3

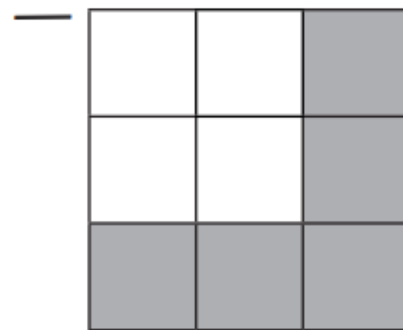
Denominator

The denominator are how many EQUAL parts in the 'whole'.

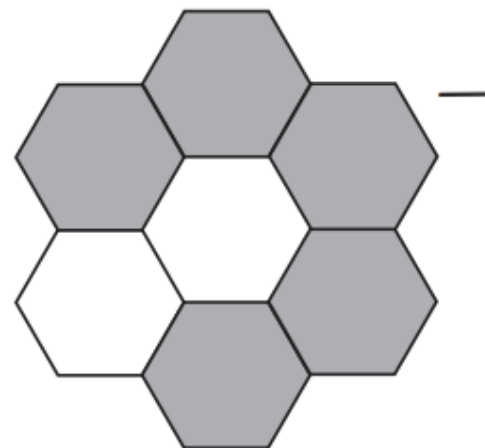
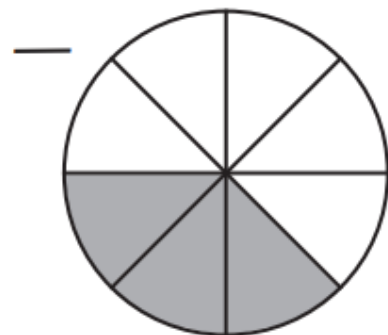
Here are some shapes which have been split into equal parts. How many parts need to be shaded?
The first one has been done for us.



Can you write the fractions for these?



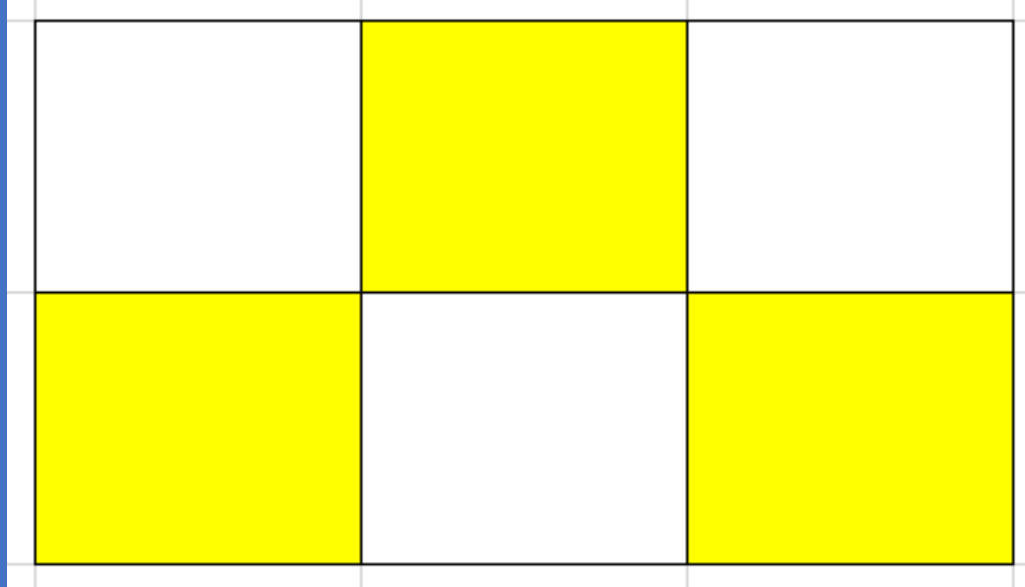
$\frac{1}{3}$



What went wrong?

Alfie was asked to shade $\frac{4}{6}$

Is he right?



What are you more confident in today?

Smash Up Numbers 😊

Roll your dice twice to make a two-digit number.
How many ways can you smash it up?

Fractions

[Fractions: Intro \(colorado.edu\)](#)

[Fractions: Game \(colorado.edu\)](#)

What is a fraction?

A fraction is made up of 3 parts:

$$\begin{array}{r} 3 \\ \hline 4 \end{array}$$

Numerator

Dividing line

Denominator

You can find fractions of amounts as well as shapes.

It is important to remember that all parts **MUST** be equal.

If I need to find $\frac{1}{2}$ of a number, I need to split it into 2 equal parts.

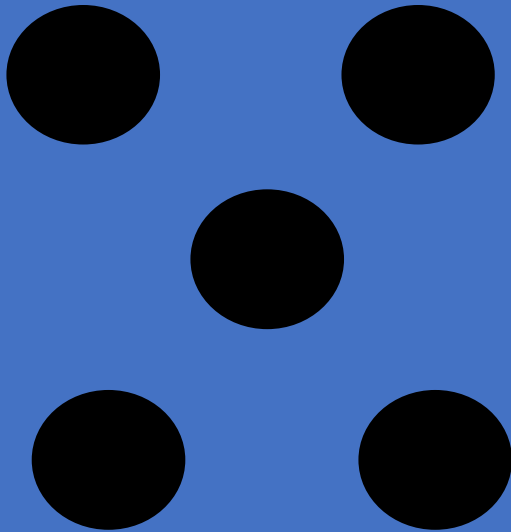
If I need to find $\frac{1}{4}$ of a number, I need to split it into 4 equal parts.

Let's find $\frac{1}{2}$ of 10.

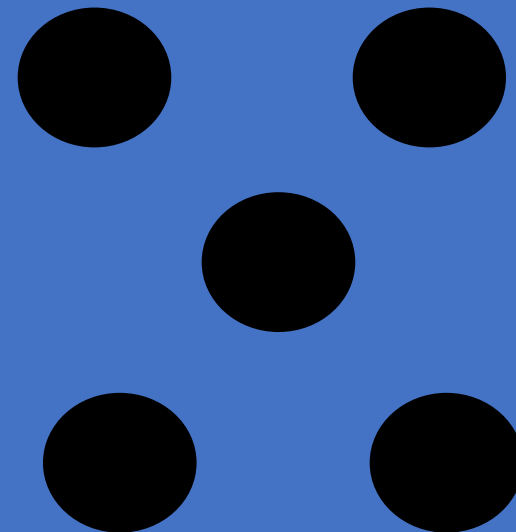
Get 10 counters.

We need to share them into 2 equal groups.

5

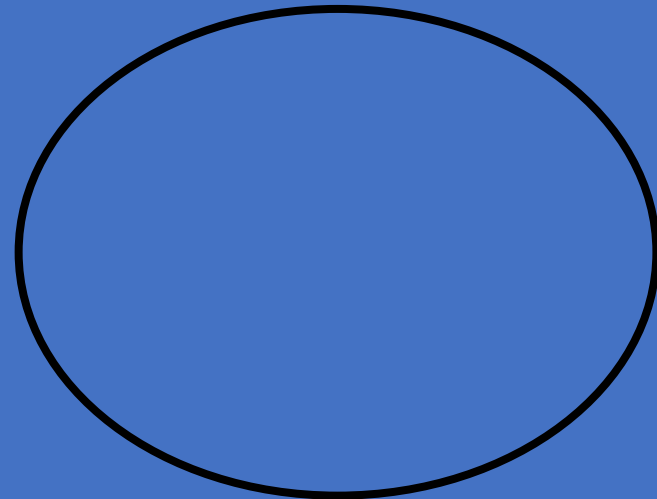
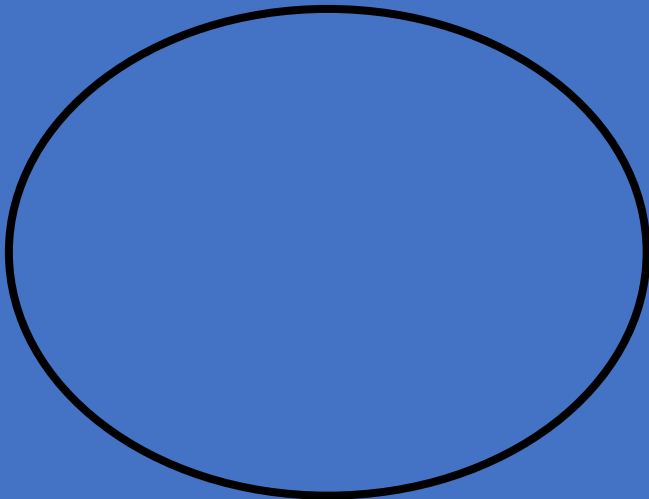


5



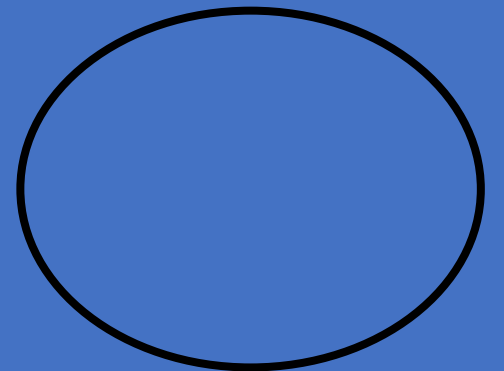
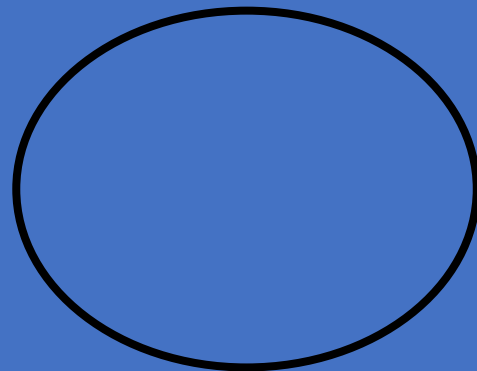
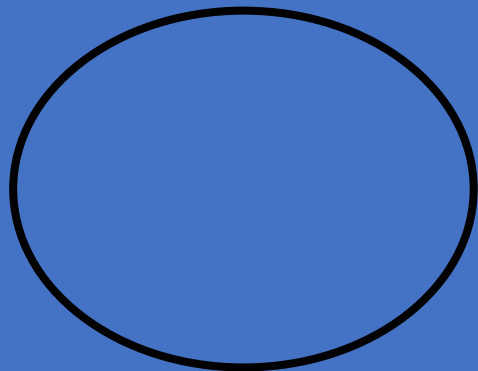
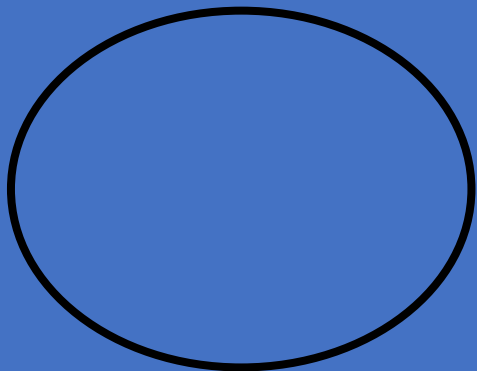
Can you find $\frac{1}{2}$ of 16?

You can draw 2 circles and share
16 into them by drawing smaller
circles in them.



Can you find $\frac{1}{4}$ of 12?

You can draw 4 circles and share
12 into them by drawing smaller
circles in them.



What are you more confident in today?