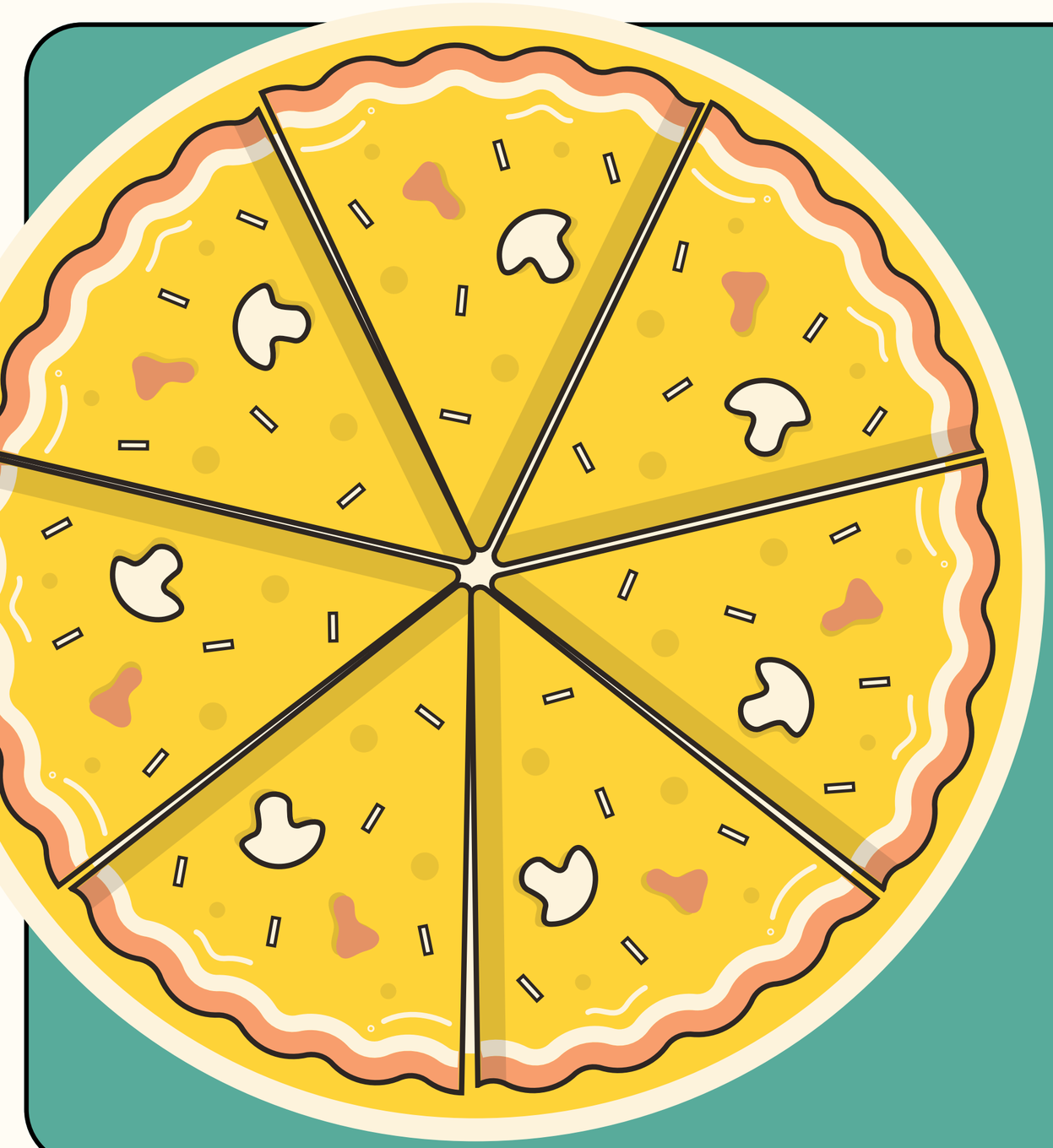
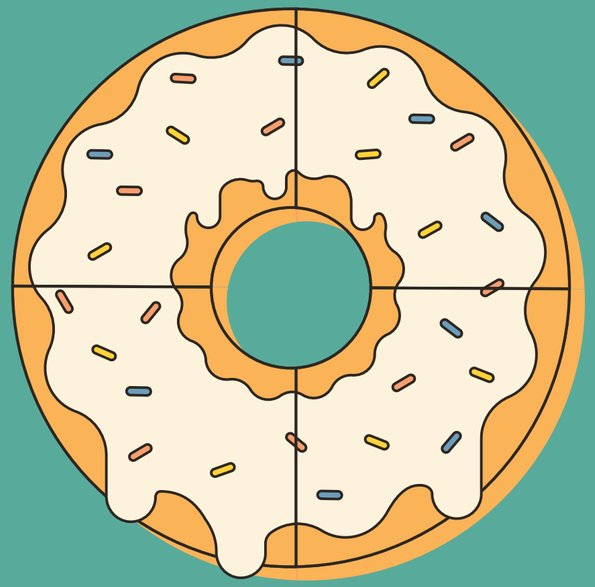


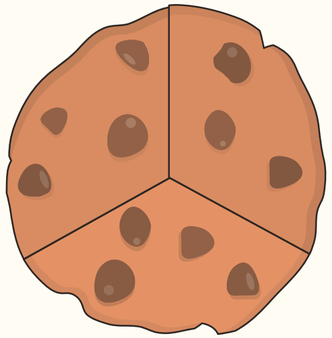


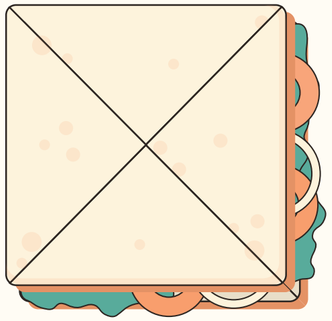
Fraction Action!

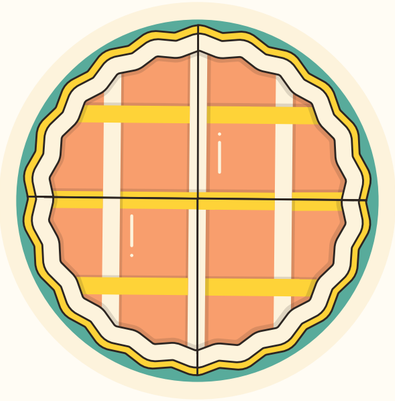
A Student-Led Presentation Exploring Fractions

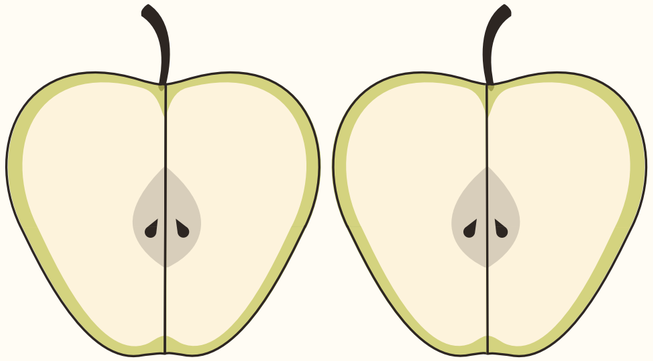
Introduction to Fractions

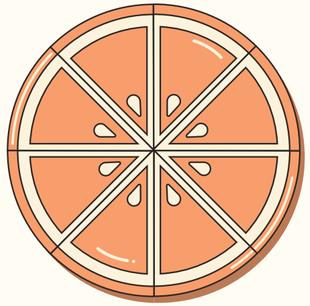
A fraction shows a part of a whole. Let's explore how they work!











What is a Fraction?

A **fraction** has **two parts**: a numerator and a denominator.

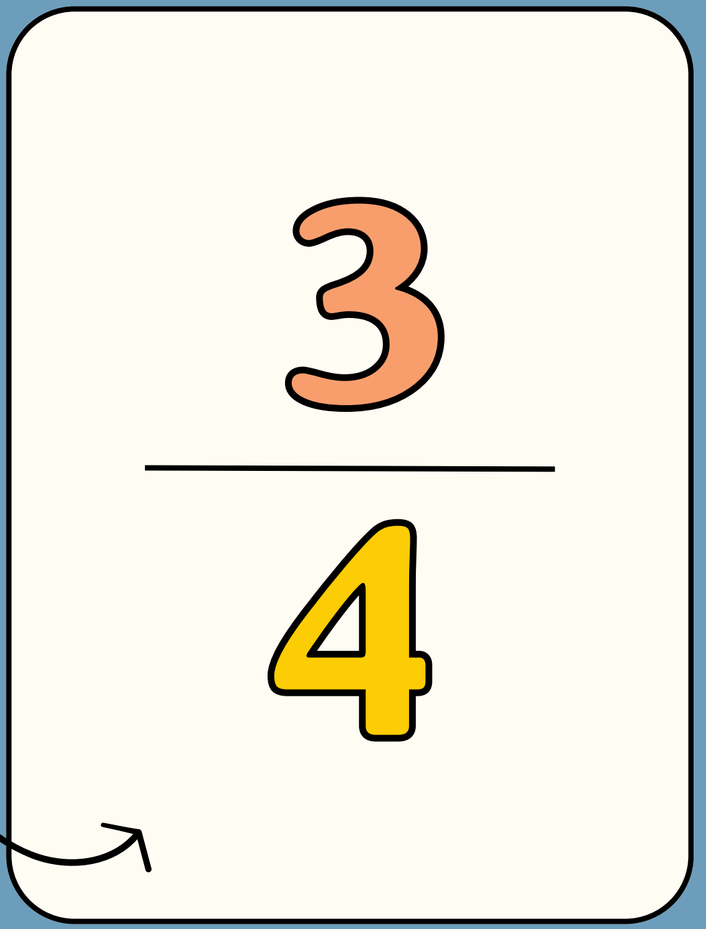
The **numerator** is the top number. It tells how many parts you have.

The **denominator** is the bottom number. It tells how many equal parts make up a whole.

Drag the labels “Numerator” and “Denominator” to the correct parts of the fraction.

Denominator

Numerator

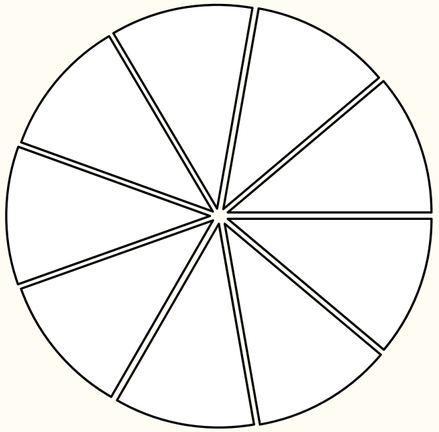


Visualizing Fractions

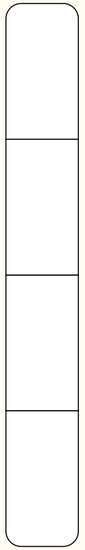
Let's see fractions with shapes! Fractions can be shown by shading parts of a shape.

For example, if we shade 1 out of 4 equal parts, we show the fraction 1/4. The numerator (1) tells us how many parts are shaded, and the denominator (4) tells us how many equal parts are in total.

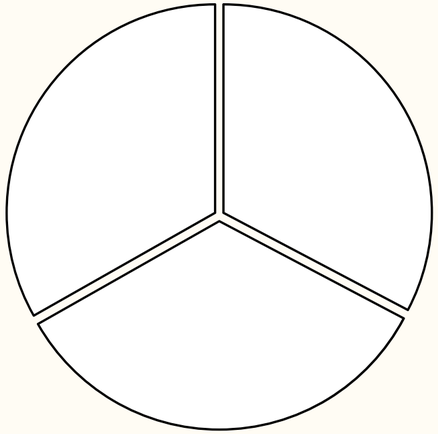
Using the **Draw** tool, shade the given fraction on the shapes below.



$$\frac{4}{9}$$



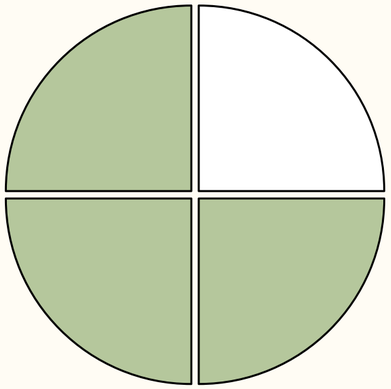
$$\frac{1}{4}$$

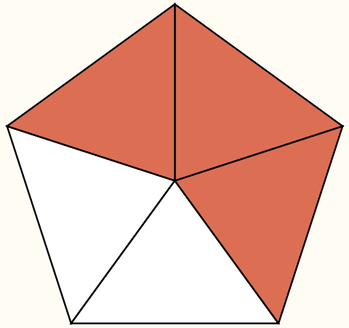


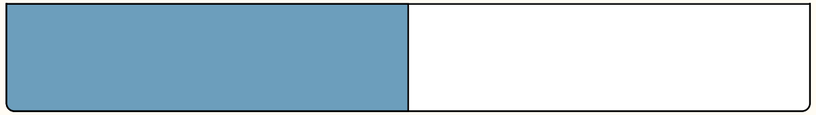
$$\frac{2}{3}$$

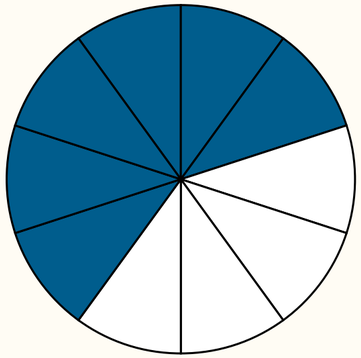
Equivalent Fractions

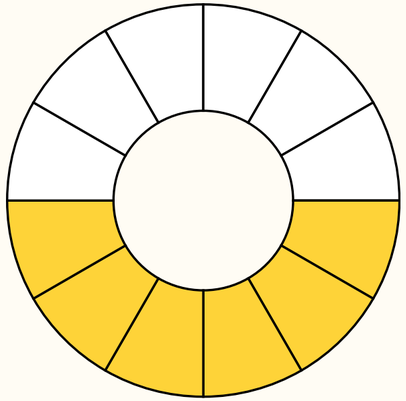
Some fractions look different but are equal!
Drag & Match the **equivalent fractions** below.

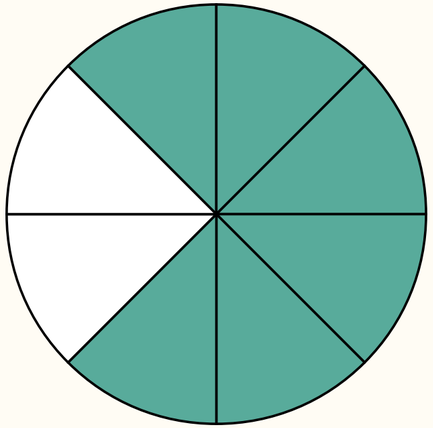












Comparing Fractions

How do you figure out which fraction is greater?

To compare fractions, we look at their numerators and denominators.

If the denominators are the same, then the fraction with the larger numerator is greater.
When fractions have different denominators, we need to compare the size of the parts.

- Example: Is 1/2 greater than 1/3?
  - Think about cutting a cake. Which piece is bigger: half the cake or one-third? Half is bigger because the cake is cut into fewer pieces, making each piece larger.

Drag the correct symbol to compare two fractions.

>	=	<

$\frac{2}{9}$ $\frac{4}{9}$

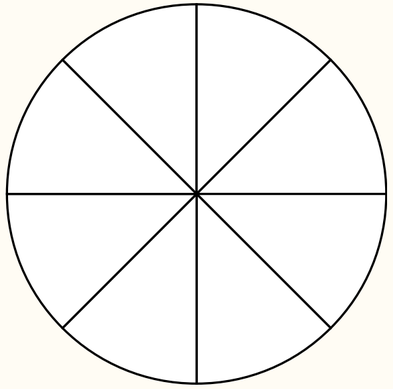
$\frac{1}{4}$ $\frac{1}{6}$

Adding Fractions with Like Denominators

Let's learn how to add fractions with the same denominator!

When the denominators are the same, you simply **add** the **numerators**.
The denominator stays the same because the size of each part doesn't change. Example: $\frac{1}{4} + \frac{2}{4} = \frac{3}{4}$

Using the **Draw** tool, shade the fractions within the circle to add them together.



$$\frac{3}{8} + \frac{2}{8} = \frac{\quad}{\quad}$$

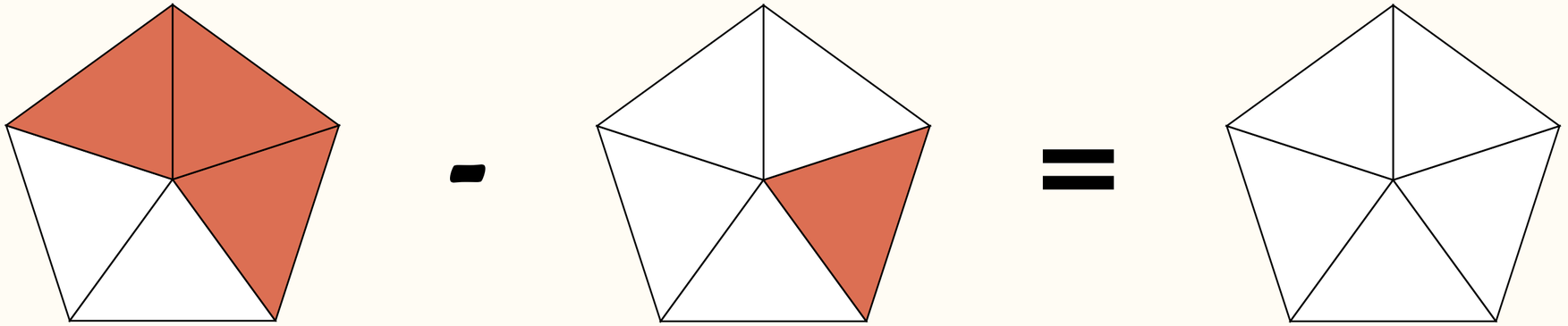
Subtracting Fractions with Like Denominators

Let's learn how to subtract fractions with the same denominator!

When the denominators are the same, you simply **subtract** the **numerators**.
The denominator stays the same because the size of each part doesn't change.

Example: $\frac{2}{3} - \frac{1}{3} = \frac{1}{3}$

Using the **Draw** tool, shade the answer to the subtraction problem.



Real-Life Fractions

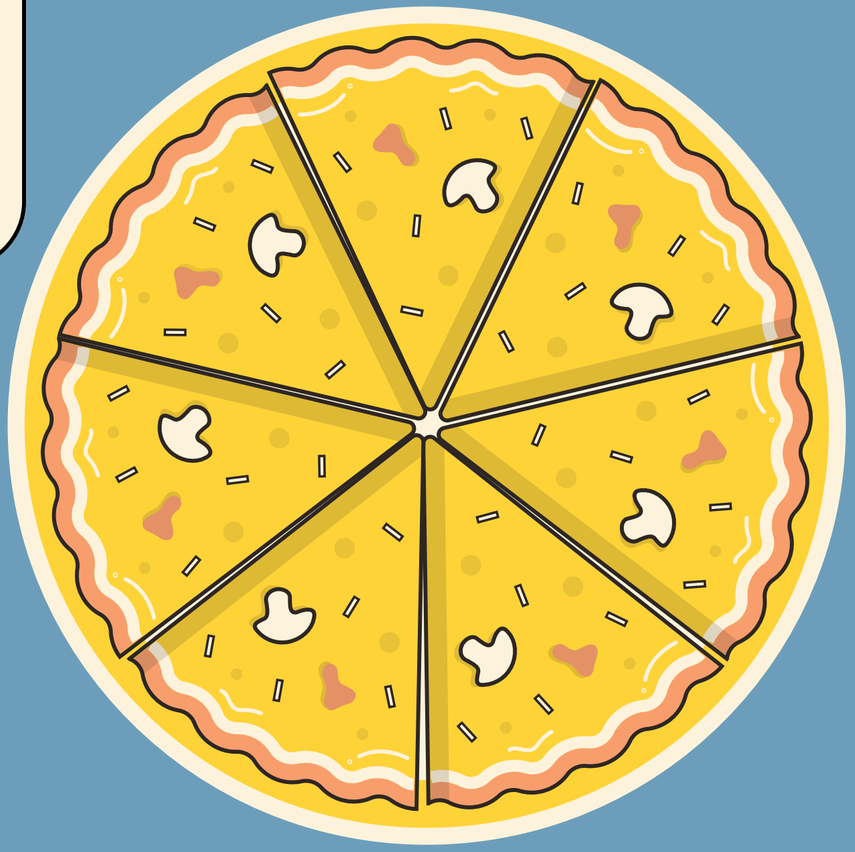
Where do you see fractions in real life? Fractions are all around us in real life!

We use fractions to describe parts of a whole, share things equally, and measure accurately.

Use the **Draw** tool to answer to the problem.

Lily ordered a pizza that was cut into 7 equal slices.
She ate 3 slices, and her brother ate 2 slices.

What fraction of the pizza is left?



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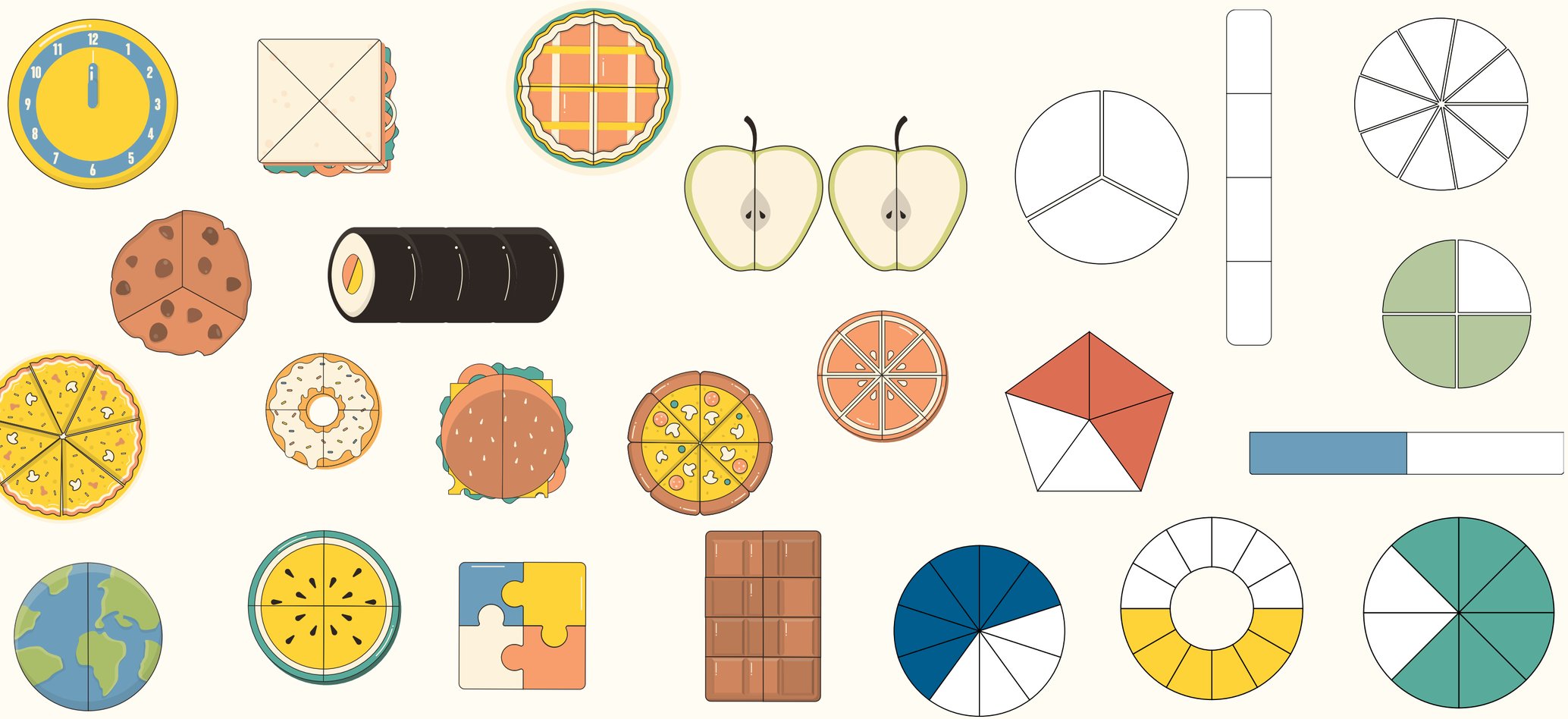

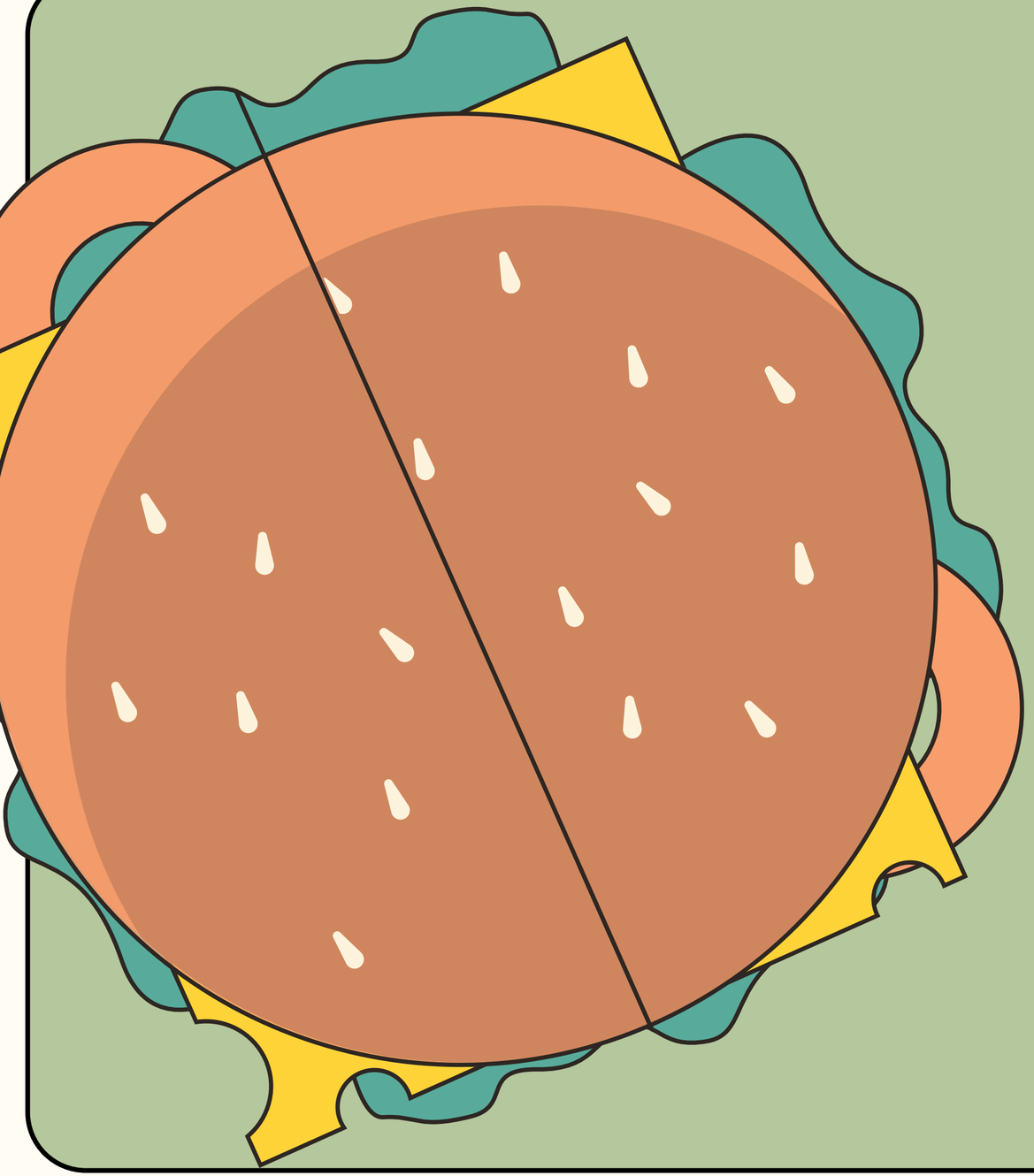

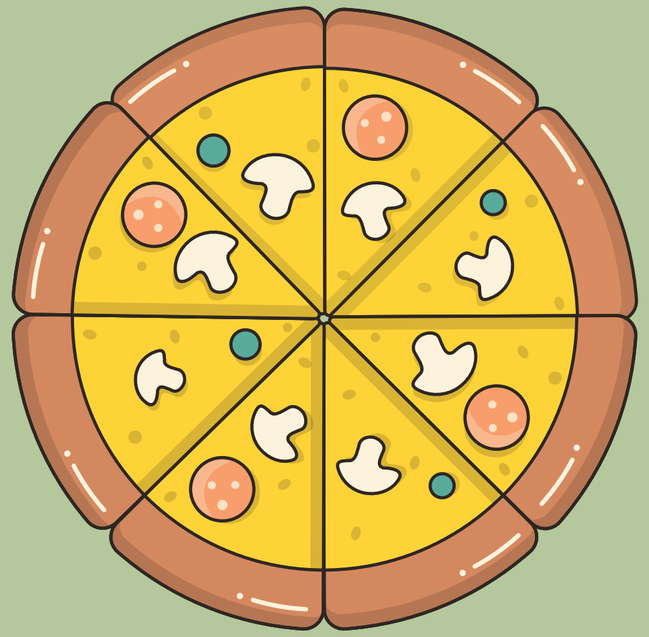

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Shortcut Keys

Improve your presentation experience by using these helpful shortcut keys in presentation mode.

B	for blur	**C**	for confetti	**O**	for bubbles	**Q**	for quiet
D	for drumroll	**M**	for mic drop	**U**	for unveil	**0-9**	Any number from 0-9 for a timer