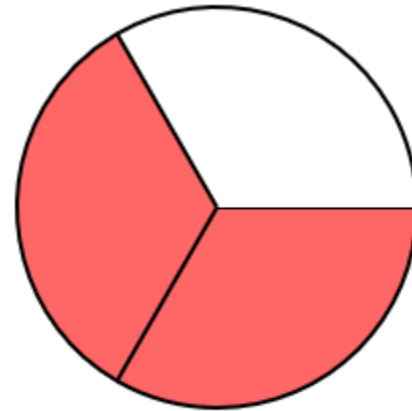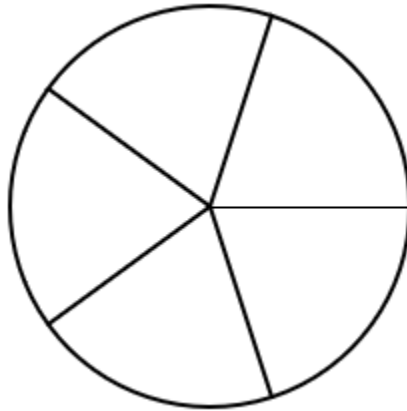# How to Identify Fractions

- Introducing:

- whole number
- numerator
- fraction bar
- denominator
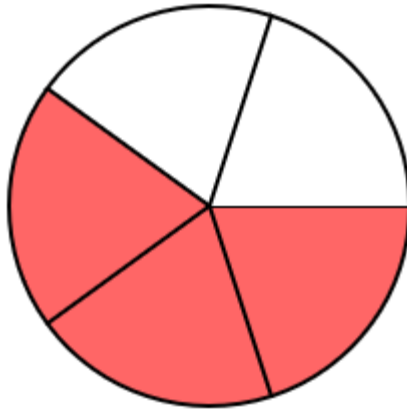
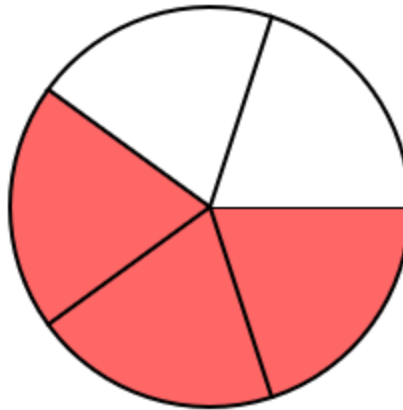$$\frac{2}{3}$$ of the circle is shaded.

Identify Fractions 1

This unit has 5 equal parts.

Identify Fractions 2

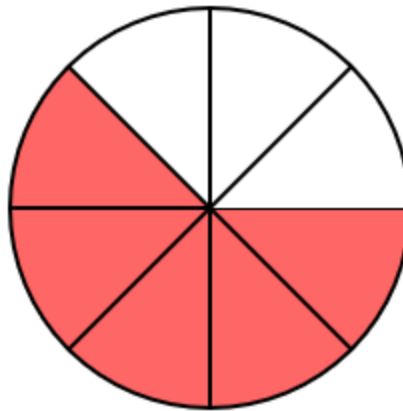Three of the parts are selected (shaded).

Identify Fractions 3

$\dfrac{3}{5}$ of the circle is shaded.

The *denominator* 5 tells us that there are 5 equal parts in the unit. The *numerator* 3 tells us that 3 of the equal parts are selected (shaded). The fraction $^3/_5$ can be written as three-fifths.

Identify Fractions 4

$$\frac{5}{8}$$ of the circle is shaded.

There are 8 equal parts in this unit, giving a *denominator* of 8. Five of the parts are selected, giving a *numerator* of 5. This fraction can be written as five-eighths.
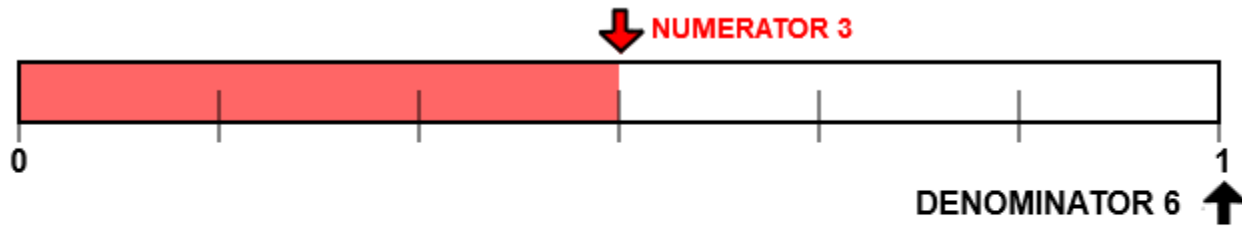
Identify Fractions 5

NUMERATOR 1

0   1

DENOMINATOR 4

$\frac{1}{4}$ of the distance from 0 to 1 is shaded.

The *denominator* 4 shows that the distance from 0 to 1 is divided into 4 equal parts. The *numerator* 1 shows that 1 of the parts is selected. The fraction $^1/_4$ can be written as one-fourth.

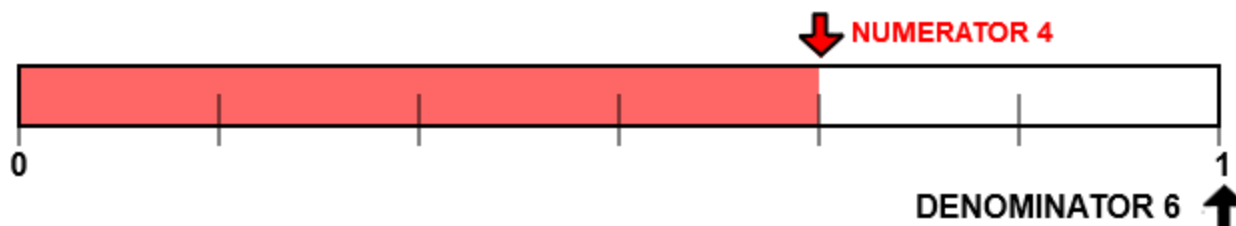# Identify Fractions 6

NUMERATOR 3

0   1

DENOMINATOR 6

$\frac{3}{6}$ of the distance from 0 to 1 is shaded.

The *denominator* 6 in the fraction ³/₆ shows that the distance from 0 to 1 is divided into 6 equal parts. The *numerator* 3 shows that 3 of the 6 parts are selected. The fraction ³/₆ can be written as three-sixths.
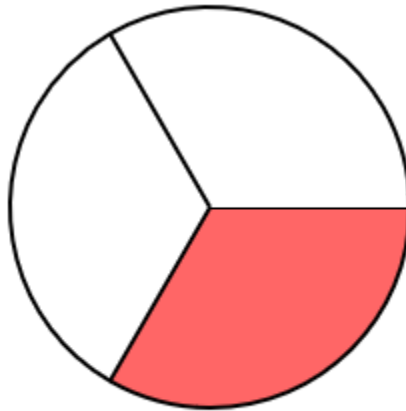
Identify Fractions 7

$\dfrac{4}{6}$ of the distance from 0 to 1 is shaded.

The *numerator* 4 shows that 4 of the 6 parts are selected. Compare this to $^3/_6$ in the previous slide. Notice the fraction increases in size as the *numerator* increases.

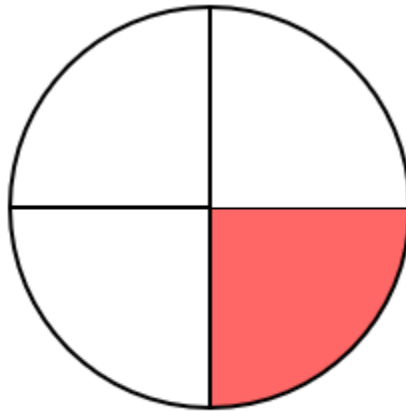# Identify Fractions 8

$\frac{1}{3}$ of the circle is shaded.

The fraction **¹/₃** has a denominator of 3, which shows the circle has three equal parts.
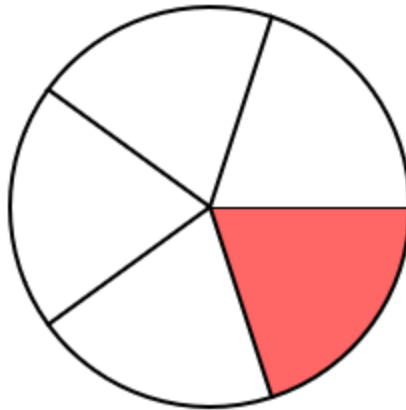
Identify Fractions 9

$\dfrac{1}{4}$ of the circle is shaded.

The *denominator* has been increased to 4. Notice the fraction has decreased in size compared to the previous slide.
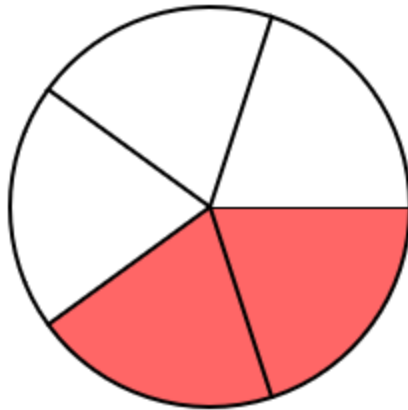
Identify Fractions 10

$\dfrac{1}{5}$ of the circle is shaded.

The *denominator* has been increased to 5. As the *denominator* increases, the fraction size decreases.
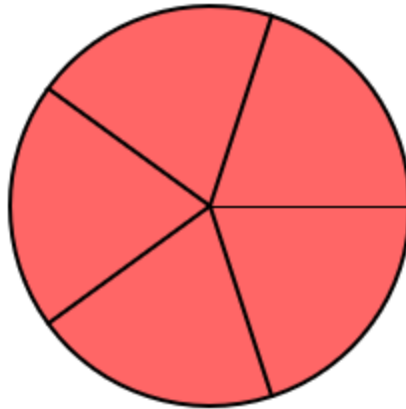
Identify Fractions 11

$\dfrac{2}{5}$ of the circle is shaded.

Increasing the numerator to 2 increases the fraction size.
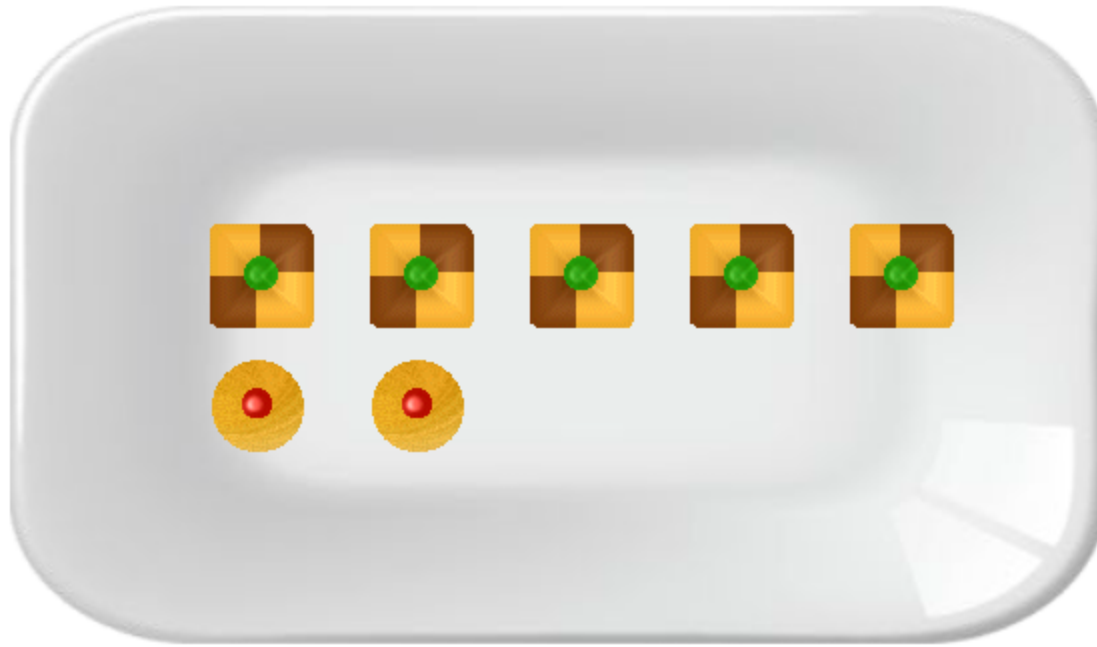
Identify Fractions 12

$\dfrac{5}{5}$ of the circle is shaded.

The *numerator* increases to 5 and the fraction increases to a complete unit. The fraction $\frac{5}{5}$ is equal to *whole number* 1
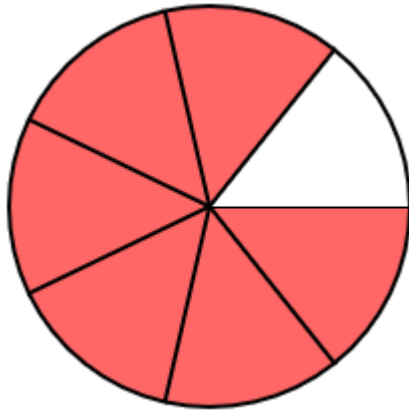
Identify Fractions 13

$5/7$ Of the cookies are square.

The numerator is 5 because 5 of the cookies are square.
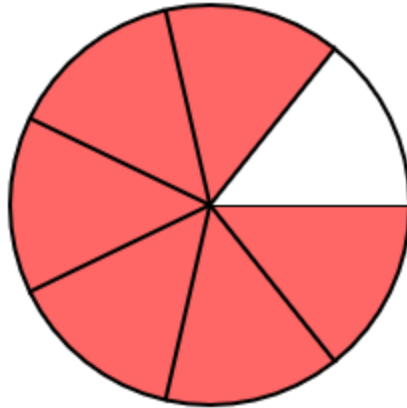
The denominator is 7 because there are 7 coookies in all.

The picture shows a tray of 7 cookies. Five of the 7 cookies are square. The fraction $5/7$ shows what part of the group of cookies are square.

Identify Fractions 14

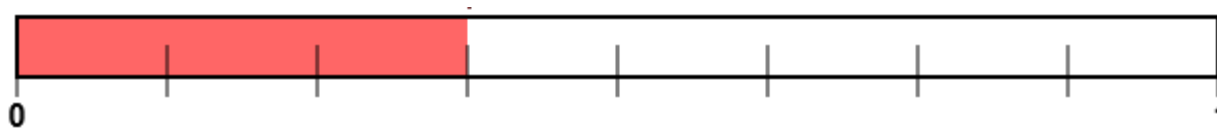What fraction of the circle is shaded?

Identify Fractions 15
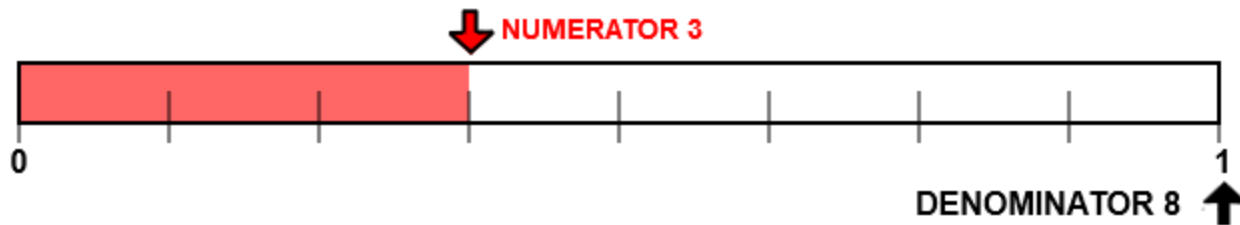

$\dfrac{6}{7}$ of the circle is shaded.
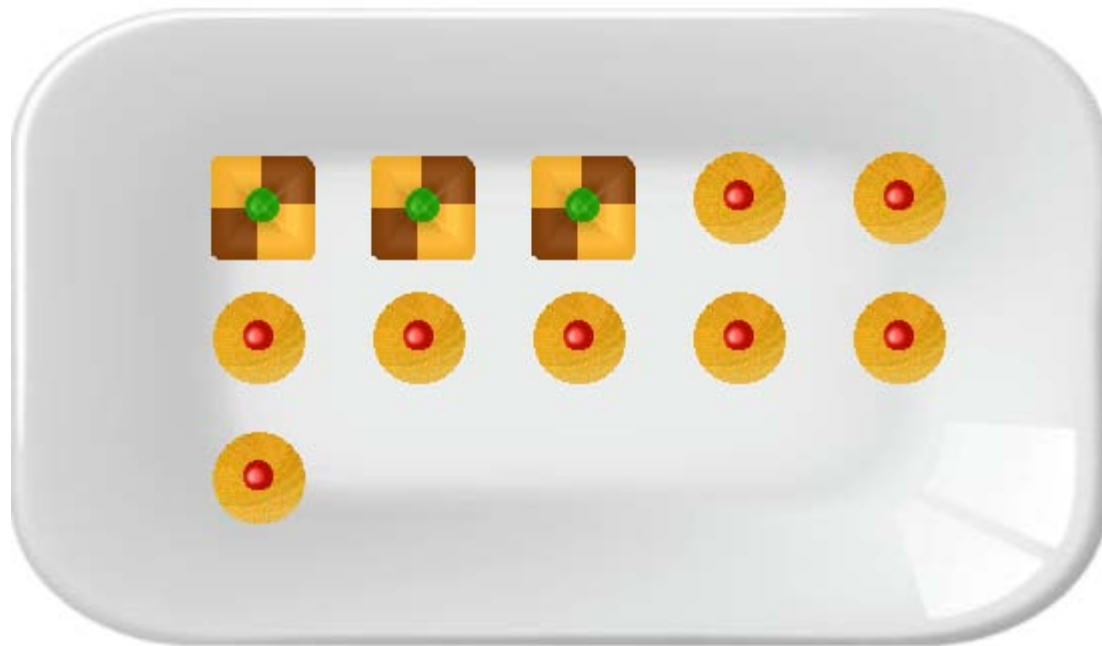
Identify Fractions 16

What fraction of the number line is shaded?
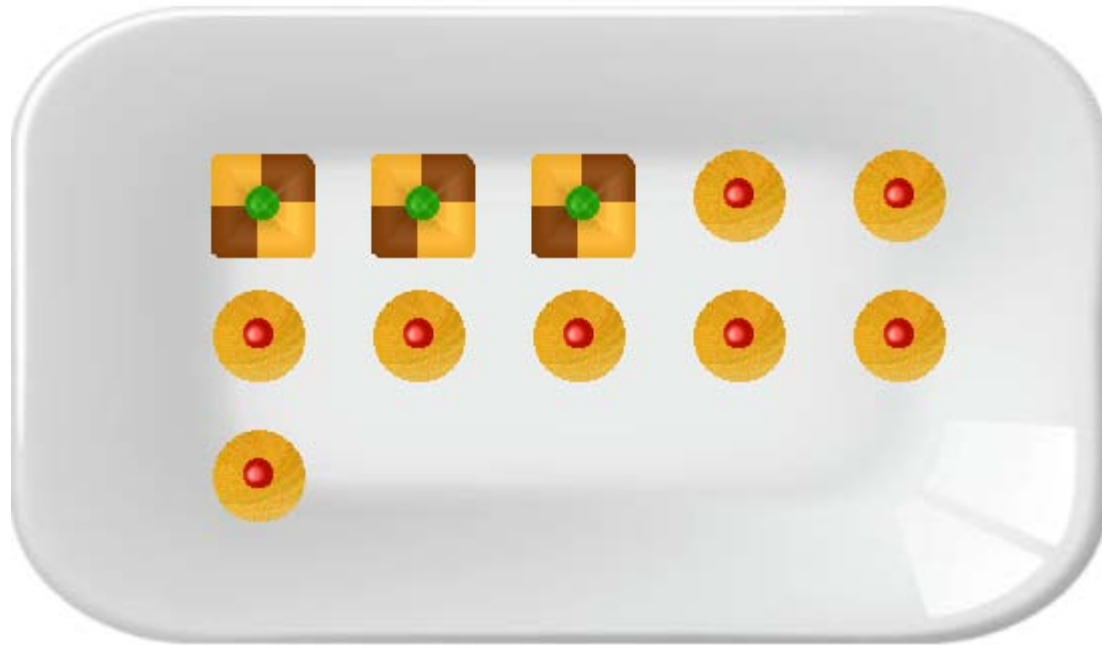
Identify Fractions 17

$$\frac{3}{8}$$ of the distance from 0 to 1 is shaded.

Identify Fractions 18

What fraction of the tray of cookies are square?

Identify Fractions 19

³/₁₁ of the cookies are square.