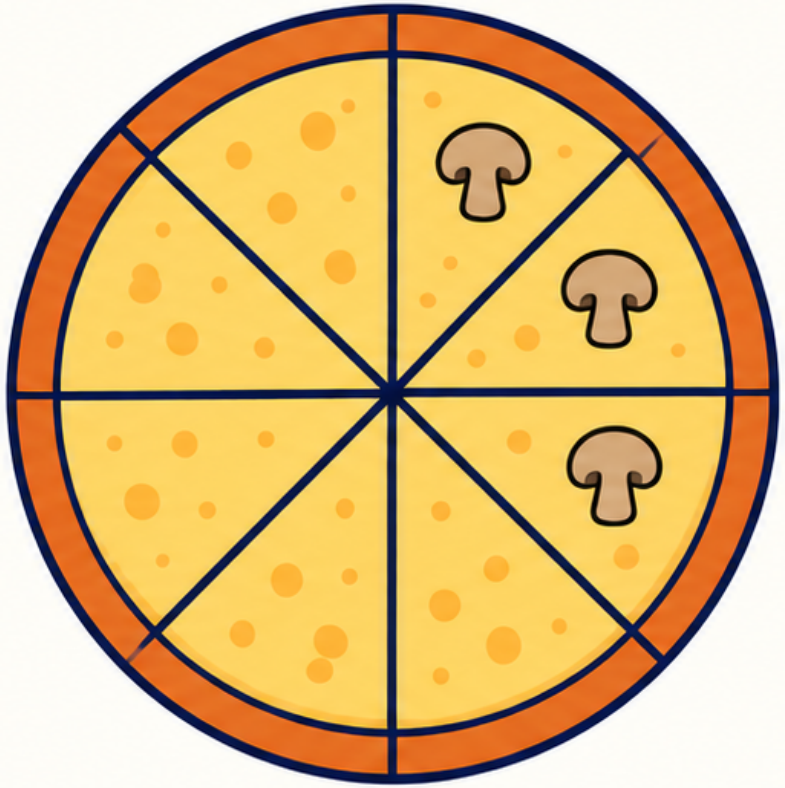
Question 1: Parts of a Whole

Look at the pizza model below.

The whole pizza is cut into 8 equal slices. 3 slices are topped with mushrooms.

What fraction of the whole pizza has mushrooms?



Answer: 3/8

A fraction shows part of a whole:

- The bottom number (denominator) is 8, the total number of equal parts.
- The top number (numerator) is 3, the number of parts we are counting.

So, 3 out of 8 equal slices is written as 3/8.



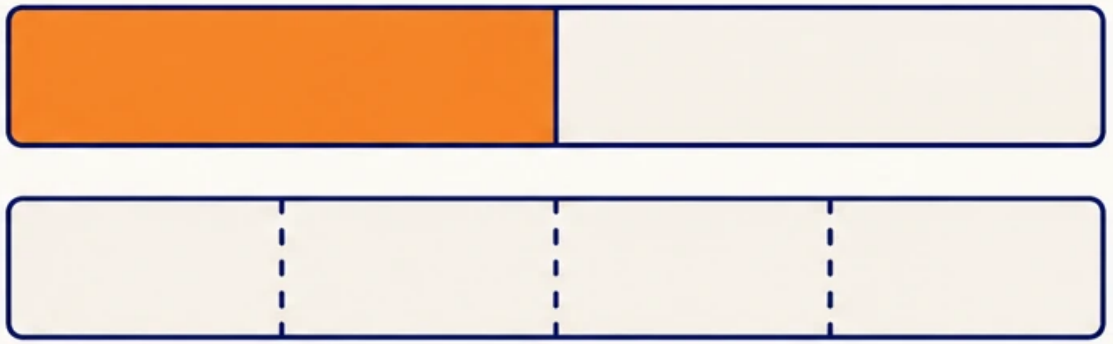
Question 2: Equivalent Fractions

Look at the two fraction bars of the exact same length.

The top bar is divided into 2 equal parts, with 1 part shaded (1/2).

The bottom bar is divided into 4 equal parts.

How many parts of the bottom bar must be shaded to equal 1/2?

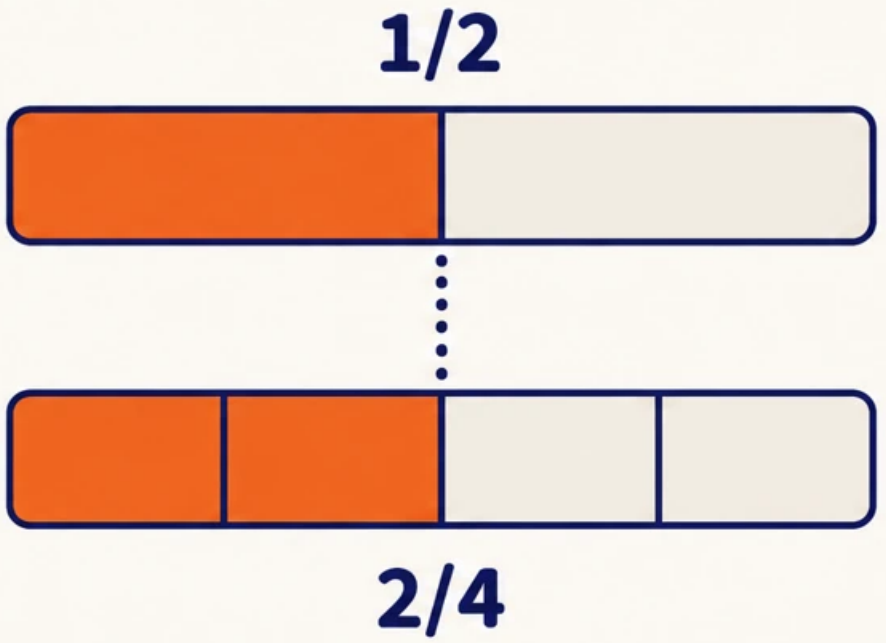


Answer 2: Equivalent Fractions

Answer: 2 parts (2/4 = 1/2)

Equivalent fractions name the same amount:

- 1 piece out of 2 is the exact same size as 2 pieces out of 4.
- Multiply both the numerator and denominator of 1/2 by 2: (1 × 2) / (2 × 2) = 2/4.

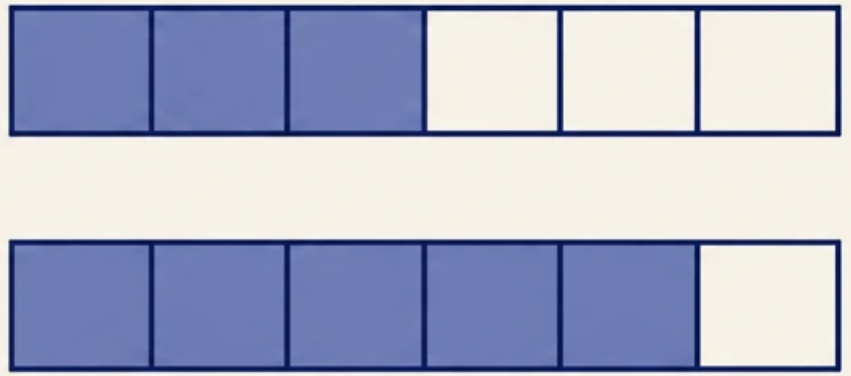


Question 3: Comparing Fractions

Which fraction is greater?

$$\frac{3}{6} \quad \text{or} \quad \frac{5}{6}$$

Compare the two fraction models shown below.

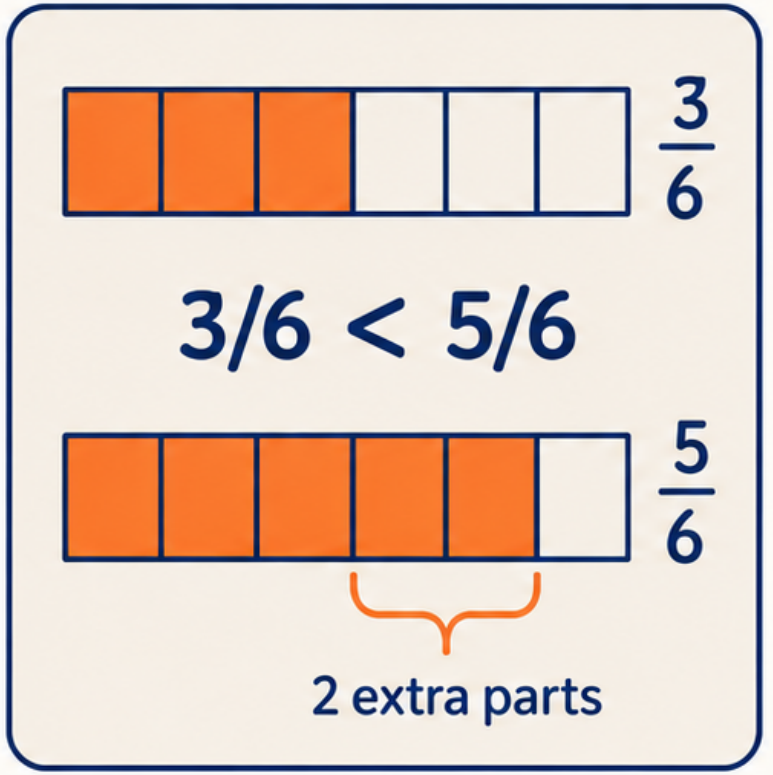


Answer 3: Comparing Fractions

Answer: 5/6 is greater than 3/6 (5/6 > 3/6)

When two fractions have the same denominator, their parts are the exact same size:

- Both bars are split into sixths.
- 5 pieces of sixths is more than 3 pieces of sixths.
- Therefore, 5/6 > 3/6.



Question 4: Adding Like Fractions

Solve the addition problem:

$$\frac{2}{5} + \frac{1}{5} = ?$$



Use the fraction bar below to help find the sum.

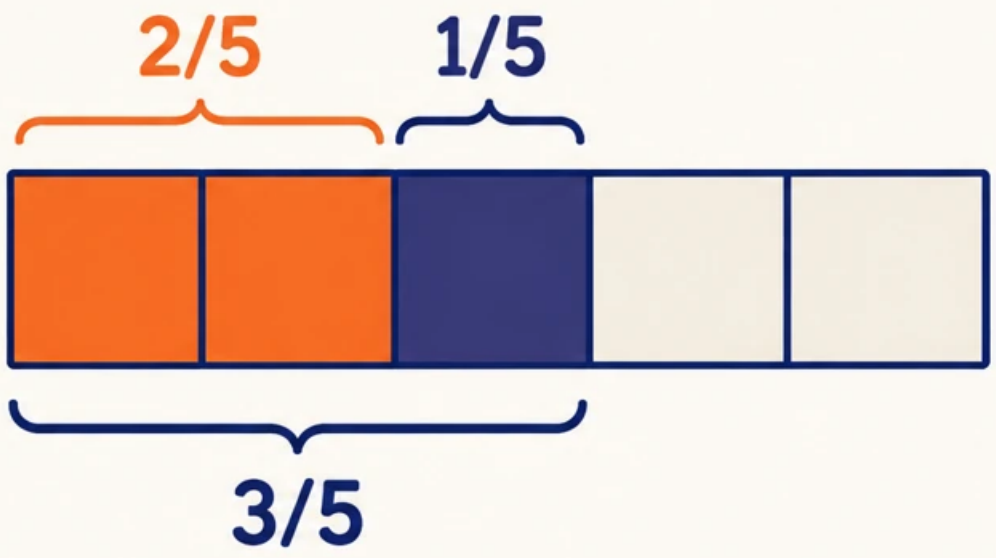
Answer 4: Adding Like Fractions

Answer: 3/5

When adding fractions with the same denominator:

- Keep the denominator the same: the whole is still split into fifths (5).
- Add the numerators: 2 + 1 = 3.

2/5 + 1/5 = (2 + 1) / 5 = 3/5.

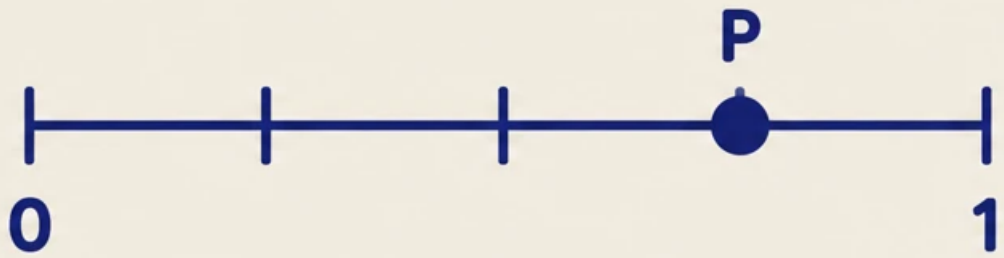


Question 5: Fractions on a Number Line

Look at the number line from 0 to 1.

The distance between 0 and 1 is divided into 4 equal hops.

What fraction belongs at point P?



Answer 5: Fractions on a Number Line

Answer: 3/4

To find a fraction on a number line:

1. Count the equal spaces between 0 and 1: there are 4 equal parts, so the denominator is 4.
2. Count the hops from 0 to point P: 1, 2, 3 hops.

Point P is at 3 hops of fourths, which is 3/4.

