

3.2. Is this fair?

Remember

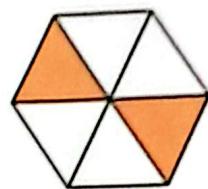
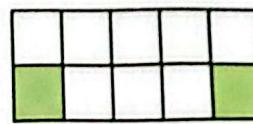
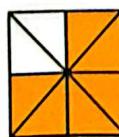
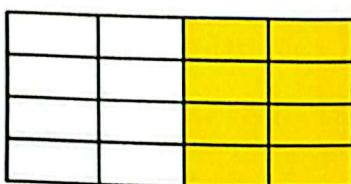
Equivalent fractions are equal in value, for example.

$$\frac{3}{5} = \frac{6}{10}$$

$\times 2$

What fraction of each of these diagrams is shaded?

Write your answer in two ways.



$$\frac{1}{\square} = \frac{\square}{12}$$

$$\frac{3}{\square} = \frac{\square}{8}$$

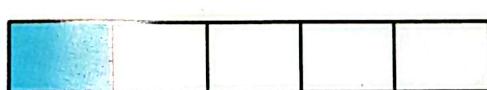
$$\frac{1}{\square} = \frac{\square}{10}$$

$$\frac{1}{\square} = \frac{\square}{6}$$

A fraction with a numerator of 1 is a unit fraction.

$\frac{1}{3}$, $\frac{1}{8}$ and $\frac{1}{1}$ are unit fractions.

With different unit fractions, the equal parts of the whole have different sizes.



$\frac{1}{5}$ ← 5 equal parts in the w



$\frac{1}{8}$ ← 8 equal parts in the w

Fifths are greater than eighths.

$$\text{So, } \frac{1}{5} > \frac{1}{8}$$

