

WALT: To be able to Compare two proper fractions which have the same numerator > 1 (small denominator)

Vocabulary

Fraction

Proper fraction

Numerator

Denominator

Share

Parts of the whole

Digit

Position

Represent

Do it : Proper fraction?

A fraction where the numerator is smaller than the denominator

Example

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

$$\frac{3}{6}$$

$$\frac{5}{7}$$

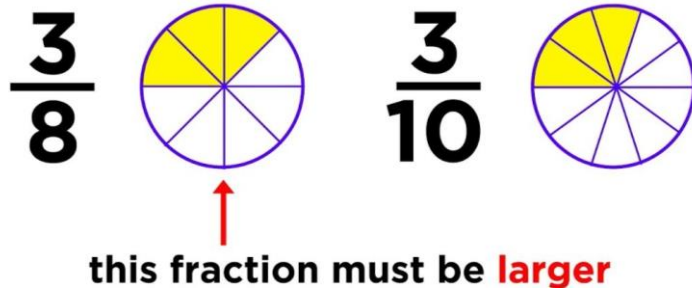
Do it

When we compare fractions with the same numerator, we have to look to the denominator and assess which one is smaller and larger.

Rule: the larger the denominator the smaller the fraction

Example

Comparing the Size of Fractions



Now your turn

Compare these proper fractions using $<$
or $>$

$$\frac{1}{8}$$

$$\frac{1}{7}$$

$$\frac{2}{6}$$

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

Now your turn

Compare these proper fractions using < or >

$$\frac{1}{8} < \frac{1}{7}$$

$$\frac{2}{6} < \frac{2}{4}$$

Secure it

Colin thinks that

$$\frac{4}{6} < \frac{4}{8}$$

Explain why he is incorrect

Use the word 'because' in your answer when explaining.

Secure it

Colin is incorrect because he has said the proper fraction with the larger denominator is the larger fraction. He has forgotten the rule of: the larger the denominator, the smaller the fraction.

The fraction should be written like this:

$$\frac{4}{6} > \frac{4}{8}$$

Deepen it

Complete the statements:

$$\begin{array}{l} \frac{7}{\square} < \frac{\square}{\square} \\ \frac{\square}{\square} > \frac{\square}{\square} \\ \frac{\square}{\square} < \frac{1}{\square} \end{array}$$

Solve each statement in several ways where possible
Solve all the statements together using the digits 1, 2, 3, 4, 5, 6, 7, 8, 9 at least once each.