

LO: To compare and order
fractions using common
denominators.

Tuesday 17th March 2020

Which fraction shows a greater proportion of the whole?

3: 3, 6, 9, 12, 15, 18, 21

7: 7, 14, 21

$\frac{2}{3}$ *or* $\frac{5}{7}$

If they have the same denominator, then we can compare them easily.

$$\frac{2}{3} \xrightarrow{\times 7} \frac{14}{21}$$

$$\frac{5}{7} \xrightarrow{\times 3} \frac{15}{21}$$

First we'll have to give them all the same denominator.

$$\frac{1}{4} < \frac{2}{7} < \frac{1}{2}$$

2: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, **28**

4: 4, 8, 12, 16, 20, 24, **28**

7: 7, 14, 21, **28**

$$\frac{1}{2} \xrightarrow{\times 14} \frac{14}{28} \quad \star 3$$

$$\frac{1}{4} \xrightarrow{\times 7} \frac{7}{28} \quad \star 1$$

$$\frac{2}{7} \xrightarrow{\times 4} \frac{8}{28} \quad \star 2$$

Work with the person next to you to order these fractions.

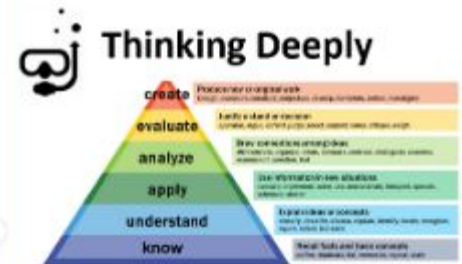
$$\frac{2}{3} \quad \frac{3}{7} \quad \frac{5}{6}$$

Know

Order these fractions from smallest to largest by finding a common denominator.

$$\frac{5}{8} \quad \frac{1}{2} \quad \frac{1}{3}$$

What thought process do you go through when finding a common denominator? Explain.

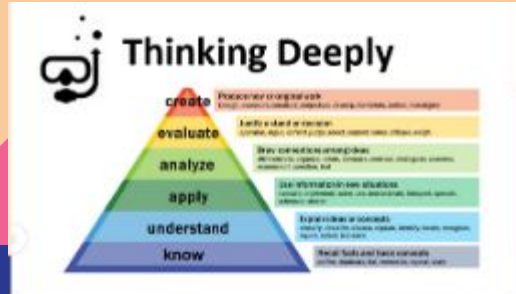


Understand

Jenna ordered these fractions from smallest to largest. How much larger is the largest fractions than the smallest?

$$\frac{2}{5} < \frac{1}{2} < \frac{7}{10}$$

Look at the denominators. What is similar/different about them?



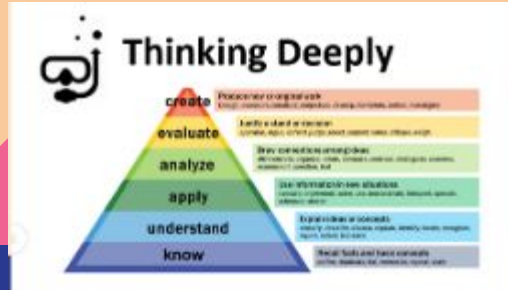
Apply

Fill in the missing numerator and denominator.

$$\frac{\quad}{14} < \frac{12}{\quad} < \frac{6}{7}$$

The smallest fraction is $\frac{4}{7}$ smaller than the largest and the second fraction is halfway in between.

I made sure that there was a clear relationship between these numbers.
Explain what that is.



Reflection

When in your day-to-day life might it be useful to know how to order fractions with different denominators?

Please explain using green pen.

