

Thursday 07/05/2020

LK: To order and compare fractions with different denominators

Hello everybody! Miss Dattani here, I hope you are all safe and well.

You do not need a printer to complete any tasks, please do your task on pen and paper and email me if you have any questions at [WDV.year5@oasiswoodview.org](mailto:WDV.year5@oasiswoodview.org)

Your task is differentiated two ways:

-Section A is suited for one star (blue and green)

-Section B is suited for two and three star (yellow, orange and red table)

Today we will build on the work that we completed yesterday. You might have to change both fractions so that they have the same denominator. An example is below.

Which is larger?  $\frac{2}{3}$  or  $\frac{4}{5}$

Step 1- Find the lowest common multiples for the denominators

<u>Multiples of 3</u>	<u>Multiples of 5</u>
3	5
6	10
9	15
12	20
15	25

Step 2-change both fractions to the lowest common multiple as the denominator.

$$\frac{2}{3} \xrightarrow{\times 5} \frac{10}{15}$$

$$\frac{4}{5} \xrightarrow{\times 3} \frac{12}{15}$$

Step 3- rewrite fractions with the same denominator and compare them. Which is larger  $10/15$  or  $12/15$ ? The answer= $12/15$

Use these steps to complete each question.

### Section A

Which is larger?

- 1)  $\frac{1}{4}$  or  $\frac{2}{6}$
- 2)  $\frac{3}{5}$  or  $\frac{7}{12}$
- 3)  $\frac{4}{6}$  or  $\frac{5}{9}$
- 4)  $\frac{1}{2}$  or  $\frac{4}{7}$
- 5)  $\frac{3}{4}$  or  $\frac{5}{6}$
- 6)  $\frac{4}{10}$  or  $\frac{5}{12}$
- 7)  $\frac{5}{8}$  or  $\frac{7}{12}$
- 8)  $\frac{3}{5}$  or  $\frac{4}{6}$
- 9)  $\frac{1}{4}$  or  $\frac{2}{7}$
- 10)  $\frac{1}{3}$  or  $\frac{2}{5}$

### Section B

Convert the denominators for each group to the lowest common multiple and then order them from smallest to largest

- 1)  $\frac{1}{2}$   $\frac{3}{8}$   $\frac{1}{4}$   $\frac{4}{8}$
- 2)  $\frac{2}{3}$   $\frac{1}{6}$   $\frac{1}{3}$   $\frac{1}{2}$
- 3)  $\frac{2}{5}$   $\frac{3}{5}$   $\frac{1}{2}$   $\frac{3}{10}$
- 4)  $\frac{3}{4}$   $\frac{3}{8}$   $\frac{7}{12}$   $\frac{1}{2}$
- 5)  $\frac{5}{6}$   $\frac{1}{2}$   $\frac{2}{3}$   $\frac{5}{12}$
- 6)  $\frac{3}{4}$   $\frac{4}{5}$   $\frac{1}{2}$   $\frac{6}{10}$
- 7)  $\frac{5}{6}$   $\frac{2}{3}$   $\frac{7}{9}$   $\frac{7}{12}$

$$8) \frac{3}{5} \quad \frac{1}{2} \quad \frac{7}{10} \quad \frac{55}{100}$$

$$9) \frac{1}{2} \quad \frac{5}{8} \quad \frac{7}{16} \quad \frac{3}{4}$$