

The Golden Rule : TO COMPARE FRACTIONS I MUST ALWAYS HAVE THE SAME DENOMINATOR.

The first part of the tasks compares one fraction with another, like the work on Friday. So which is larger?

EXAMPLE:

1/2 or 3/8?

4/8 > 3/8.

I see 8 is a multiple of 2 so I can convert my fraction of 2 to have the same denominator, 8. 2×4 is 8 so 1×4 is 4. My new fraction is

EXAMPLE:

1/2 or 1/5?

x 5 x 2

5/10 > 2/10

I see that one is NOT a multiple of another but I know that they both are factors of 10. So I can convert both to a fraction of 10.

EXAMPLE:

Order these fractions, smallest first: **1/2** **3/10** **2/5**

x 5 x 1 x 2

5/10 3/10 4/10

3/10 **2/5** **1/2**

I see that 10 is a multiple of 2 and 5 so I am going to convert all fractions to 10ths so I can compare them.

Now they're converted to all 10ths, I can order...

My answer is the original fraction equivalent...

Choose one of the tasks....

A

Which fraction is larger?

- | | |
|------------------------------------|------------------------------------|
| 1 $\frac{3}{5}$ or $\frac{4}{5}$ | 5 $\frac{4}{9}$ or $\frac{4}{6}$ |
| 2 $\frac{2}{3}$ or $\frac{2}{7}$ | 6 $\frac{3}{8}$ or $\frac{3}{11}$ |
| 3 $\frac{8}{10}$ or $\frac{7}{10}$ | 7 $\frac{5}{7}$ or $\frac{6}{7}$ |
| 4 $\frac{5}{12}$ or $\frac{5}{9}$ | 8 $\frac{6}{11}$ or $\frac{6}{12}$ |

Copy and complete to find the larger fraction.

9 $\frac{1}{2}$ or $\frac{5}{12} \rightarrow \frac{\square}{12}$ or $\frac{5}{12}$
 is larger.

10 $\frac{4}{5}$ or $\frac{9}{10} \rightarrow \frac{\square}{10}$ or $\frac{9}{10}$
 is larger.

11 $\frac{3}{4}$ or $\frac{5}{8} \rightarrow \frac{\square}{8}$ or $\frac{5}{8}$
 is larger.

12 $\frac{1}{2}$ or $\frac{4}{10} \rightarrow \frac{\square}{10}$ or $\frac{4}{10}$
 is larger.

13 $\frac{1}{3}$ or $\frac{1}{6} \rightarrow \frac{\square}{6}$ or $\frac{1}{6}$
 is larger.

14 $\frac{2}{3}$ or $\frac{7}{9} \rightarrow \frac{\square}{9}$ or $\frac{7}{9}$
 is larger.

B

To find the larger fraction convert one of each pair so that they share a common denominator.

- | | |
|--------------------------------------|-----------------------------------|
| 1 $\frac{5}{6}$ or $\frac{11}{12}$ | 4 $\frac{2}{5}$ or $\frac{3}{10}$ |
| 2 $\frac{1}{3}$ or $\frac{3}{12}$ | 5 $\frac{1}{2}$ or $\frac{5}{8}$ |
| 3 $\frac{5}{10}$ or $\frac{51}{100}$ | 6 $\frac{3}{4}$ or $\frac{8}{12}$ |

To find the larger fraction convert both fractions so that they share a common denominator.

- | | |
|-----------------------------------|------------------------------------|
| 7 $\frac{2}{3}$ or $\frac{4}{5}$ | 10 $\frac{4}{6}$ or $\frac{5}{9}$ |
| 8 $\frac{1}{4}$ or $\frac{2}{6}$ | 11 $\frac{1}{2}$ or $\frac{4}{7}$ |
| 9 $\frac{3}{5}$ or $\frac{7}{12}$ | 12 $\frac{3}{8}$ or $\frac{5}{12}$ |

Write these fractions in order, smallest first.

- | |
|--|
| 13 $\frac{1}{2}, \frac{3}{8}, \frac{1}{4}, \frac{1}{8}$ |
| 14 $\frac{2}{3}, \frac{1}{6}, \frac{1}{3}, \frac{1}{2}$ |
| 15 $\frac{2}{5}, \frac{3}{5}, \frac{1}{2}, \frac{3}{10}$ |
| 16 $\frac{3}{4}, \frac{3}{8}, \frac{7}{12}, \frac{1}{2}$ |
| 17 $\frac{5}{6}, \frac{1}{2}, \frac{2}{3}, \frac{5}{12}$ |
| 18 $\frac{3}{4}, \frac{4}{5}, \frac{1}{2}, \frac{6}{10}$ |

C

Write the larger fraction.

- | | |
|-------------------------------|-------------------------------|
| 1 $\frac{5}{6}, \frac{7}{10}$ | 5 $\frac{3}{4}, \frac{4}{5}$ |
| 2 $\frac{4}{5}, \frac{9}{11}$ | 6 $\frac{4}{9}, \frac{5}{12}$ |
| 3 $\frac{1}{4}, \frac{2}{9}$ | 7 $\frac{2}{3}, \frac{5}{8}$ |
| 4 $\frac{4}{7}, \frac{7}{12}$ | 8 $\frac{5}{7}, \frac{7}{9}$ |

Write in ascending order.

- | |
|---|
| 9 $\frac{5}{6}, \frac{2}{3}, \frac{7}{9}, \frac{7}{12}$ |
| 10 $\frac{3}{5}, \frac{1}{2}, \frac{7}{10}, \frac{55}{100}$ |
| 11 $\frac{1}{2}, \frac{5}{8}, \frac{7}{16}, \frac{3}{4}$ |
| 12 $\frac{3}{4}, \frac{8}{12}, \frac{5}{6}, \frac{4}{5}$ |

Find the fraction which is halfway between each pair of numbers.

- | |
|-------------------------------------|
| 13 $\frac{1}{2}$ and $\frac{3}{4}$ |
| 14 $\frac{1}{5}$ and $\frac{2}{5}$ |
| 15 $\frac{1}{6}$ and $\frac{1}{3}$ |
| 16 $\frac{5}{8}$ and $\frac{3}{4}$ |
| 17 $\frac{7}{12}$ and $\frac{2}{3}$ |
| 18 $\frac{1}{2}$ and $\frac{5}{8}$ |
| 19 $\frac{4}{5}$ and $\frac{9}{10}$ |
| 20 $\frac{1}{3}$ and $\frac{1}{2}$ |