

Let's Practise

I Fill in the circles with $>$, $<$, or $=$.



$$\frac{1}{5} < \frac{1}{3}$$

We compare the denominators

c $\frac{3 \times 3}{5 \times 3} < \frac{2 \times 5}{3 \times 5}$

the least common multiple of 5 and 3 is 15.

$$\frac{9}{15} < \frac{10}{15}$$



$$\frac{3}{4} > \frac{2}{4}$$

We compare the numerators

d $\frac{1}{4} = \frac{2}{8}$

$$\frac{1}{4} \times 2 = \frac{2}{8}$$

Student's Book p. 210

2 Order the fractions from the smallest to the greatest.

a $\frac{3}{5}, \frac{4}{5}, \frac{1}{5}$

$\frac{1}{5}, \frac{3}{5}, \frac{4}{5}$

smallest greatest

We have the same denominators, so we compare between the numerators.

$1 < 3 < 4$. Hence, $\frac{1}{5} < \frac{3}{5} < \frac{4}{5}$

b $\frac{1}{3}, \frac{1}{2}, \frac{1}{10}, \frac{1}{4}$

$\frac{1}{10}, \frac{1}{4}, \frac{1}{3}, \frac{1}{2}$

smallest greatest

We have the same numerators, so we compare between the denominators.

$2 < 3 < 4 < 10$.
Hence, $\frac{1}{10} < \frac{1}{4} < \frac{1}{3} < \frac{1}{2}$



3 Jim has 3 similar strings of different colours.

He uses $\frac{2}{5}$ of the green string, $\frac{3}{5}$ of the orange string and $\frac{3}{4}$ of the purple string. Which string is the shortest?

Explain your answer. Draw a diagram to help you.

$$\frac{2}{5} < \frac{3}{5} \text{ same denominators}$$

$$\frac{3}{5} < \frac{3}{4} \text{ same numerators}$$

$\frac{2}{5}$ is the shortest

