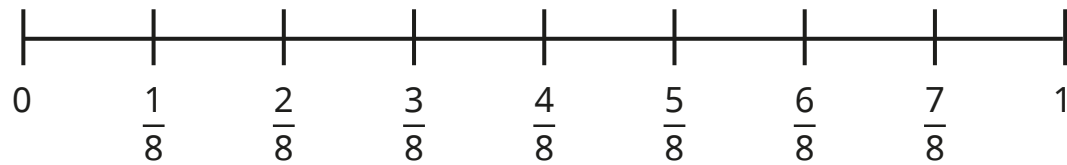


# Order fractions less than 1

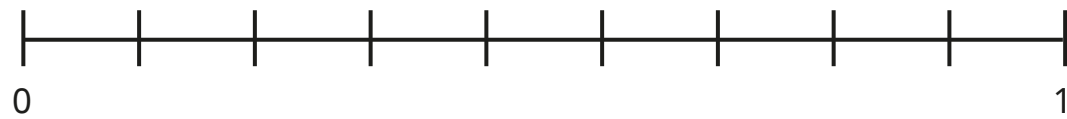
1 a) Circle  $\frac{3}{8}$ ,  $\frac{7}{8}$  and  $\frac{5}{8}$  on the number line.



Write the fractions in order, starting with the smallest fraction.

\_\_\_\_\_

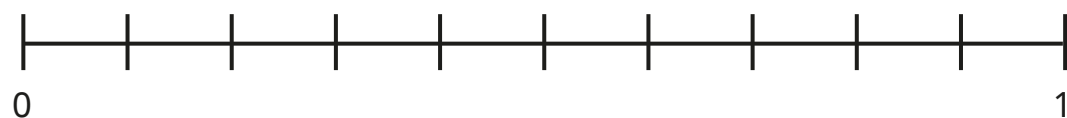
b) Label  $\frac{7}{9}$ ,  $\frac{1}{9}$  and  $\frac{5}{9}$  on the number line.



Write the fractions in order, starting with the greatest fraction.

\_\_\_\_\_

c) Label  $\frac{6}{10}$ ,  $\frac{2}{10}$ ,  $\frac{9}{10}$  and  $\frac{3}{10}$  on the number line.



Write the fractions in ascending order.

\_\_\_\_\_

What do you notice?



2 Shade the bar models to represent the fractions.

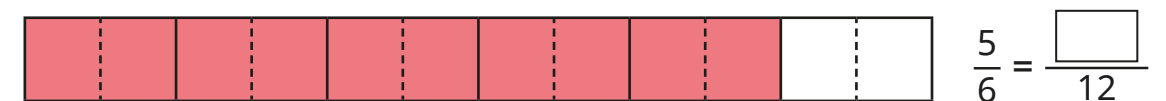


Write the fractions in order, starting with the smallest fraction.

\_\_\_\_\_

What do you notice?

3 The bar models show  $\frac{7}{12}$ ,  $\frac{5}{6}$  and  $\frac{3}{4}$



a) Use the bar models to complete the equivalent fractions.

b) Write the fractions in descending order.

\_\_\_\_\_



- 4 Amir and Rosie are using equivalent fractions to write  $\frac{2}{3}$ ,  $\frac{8}{15}$  and  $\frac{4}{5}$  in ascending order.

Here are their methods.

Amir's method

$$\frac{2}{3} = \frac{8}{\square} \quad \frac{4}{5} = \frac{8}{\square}$$

Rosie's method

$$\frac{2}{3} = \frac{\square}{15} \quad \frac{4}{5} = \frac{\square}{15}$$

- a) Complete each method.
- b) Whose method do you prefer? \_\_\_\_\_  
Talk about it with a partner.



- 5 a) Write the fractions in order, starting with the smallest fraction.

$$\frac{4}{5} \quad \frac{1}{2} \quad \frac{2}{5} \quad \frac{7}{10}$$

\_\_\_\_\_

- b) Write the fractions in order, starting with the greatest fraction.

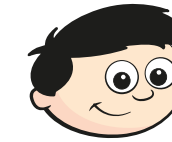
$$\frac{1}{4} \quad \frac{2}{6} \quad \frac{10}{12} \quad \frac{5}{24}$$

\_\_\_\_\_

Compare methods with a partner.



- 6 Dexter is ordering  $\frac{4}{5}$ ,  $\frac{3}{10}$  and  $\frac{10}{20}$ , starting with the smallest fraction.



I can do this without finding a common numerator or denominator.

Explain why Dexter is correct.

\_\_\_\_\_

\_\_\_\_\_

- 7 What could the missing numerator be?

$$\frac{3}{5} < \frac{\square}{15} < \frac{9}{10}$$

Write all four possibilities.

$$\frac{\square}{15} \quad \frac{\square}{15} \quad \frac{\square}{15} \quad \frac{\square}{15}$$

- 8 The fractions are in ascending order.

$$\frac{\square}{10} \quad \frac{\square}{5} \quad \frac{2}{\square} \quad \frac{3}{4}$$

What could the missing numbers be?

Compare answers with a partner.

