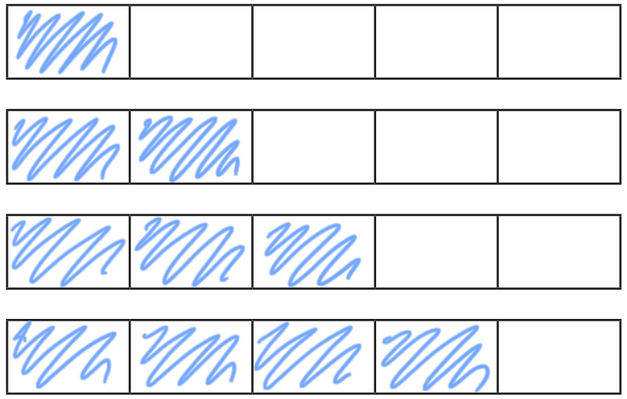
Order fractions

1 **a)** Shade the bar models to represent the fractions.



$\frac{1}{5}$

$\frac{2}{5}$

$\frac{3}{5}$

$\frac{4}{5}$

b) What do you notice?

c) Complete the sentence.

numerator | denominator | greater | smaller

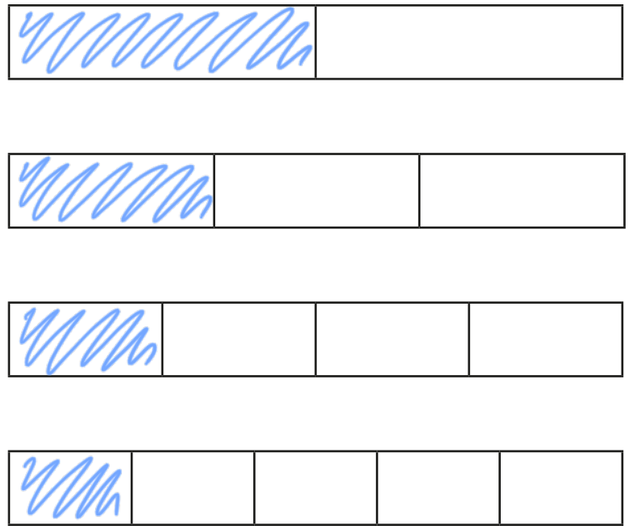
When fractions have the same denominator, the greater the numerator the greater the fraction.

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

$\frac{1}{9}$	$\frac{8}{9}$	$\frac{4}{9}$	$\frac{2}{9}$	$\frac{7}{9}$
$\frac{1}{9}$	$\frac{2}{9}$	$\frac{4}{9}$	$\frac{7}{9}$	$\frac{8}{9}$

smallest ... greatest

3 **a)** Shade the bar models to represent the fractions.



$\frac{1}{2}$

$\frac{1}{3}$

$\frac{1}{4}$

$\frac{1}{5}$

b) What do you notice?

c) Complete the sentence.

numerator | denominator | greater | smaller

When fractions have the same numerator, the greater the denominator the smaller the fraction.

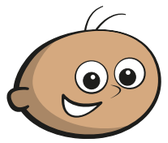
4 Write the fractions in order, starting with the greatest.

$\frac{1}{9}$	$\frac{1}{3}$	$\frac{1}{7}$	$\frac{1}{2}$	$\frac{1}{11}$
$\frac{1}{2}$	$\frac{1}{3}$	$\frac{1}{7}$	$\frac{1}{9}$	$\frac{1}{11}$

greatest ... smallest

5 Tommy and Dora are ordering fractions.

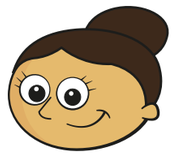
$\frac{1}{5}$ $\frac{4}{15}$ $\frac{2}{3}$ $\frac{7}{15}$



I cannot order these fractions because the numerators and denominators are different.

Tommy

I think I can use equivalent fractions to help me.



Dora

Who do you agree with? Dora

Talk about it with a partner.

6 **a)** Complete the equivalent fractions.

$\frac{3}{5} = \frac{6}{10}$ $\frac{2}{9} = \frac{6}{27}$ $\frac{1}{7} = \frac{6}{42}$

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

$\frac{6}{9}$ $\frac{3}{5}$ $\frac{1}{7}$ $\frac{2}{9}$

$\frac{6}{9}$ $\frac{3}{5}$ $\frac{2}{9}$ $\frac{1}{7}$

greatest smallest

7 Dexter and Alex are ordering fractions from smallest to greatest.

$\frac{1}{7}$ $\frac{2}{21}$ $\frac{4}{35}$ $\frac{2}{7}$

a)

I am going to make the numerators the same.

Dexter

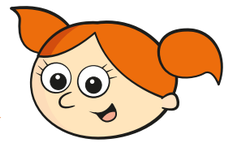
Use Dexter's method to put the fractions in order.

$\frac{1}{7} = \frac{4}{28}$ $\frac{3}{21} = \frac{4}{42}$ $\frac{2}{7} = \frac{4}{14}$

$\frac{2}{21}$, $\frac{4}{35}$, $\frac{1}{7}$, $\frac{2}{7}$

b)

I am going to make the denominators the same.



Alex

Use Alex's method to put the fractions in order.

$\frac{1}{7} = \frac{15}{105}$ $\frac{2}{21} = \frac{10}{105}$ $\frac{4}{35} = \frac{12}{105}$ $\frac{2}{7} = \frac{30}{105}$

$\frac{2}{21}$, $\frac{4}{35}$, $\frac{1}{7}$, $\frac{2}{7}$

c) Which method do you prefer? Talk about it with a partner.