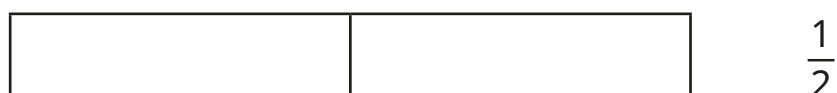


Compare and order unit fractions

1 a) Shade the bar models to show the fractions.



b) Choose a word to complete each sentence.

greater

less

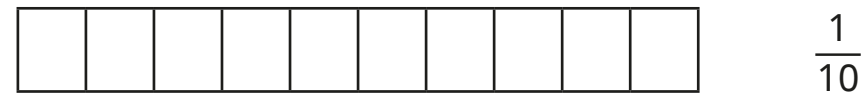
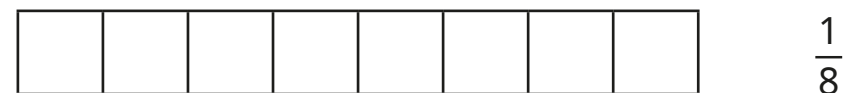
$\frac{1}{2}$ is _____ than $\frac{1}{3}$ $\frac{1}{4}$ is _____ than $\frac{1}{3}$

$\frac{1}{2}$ is _____ than $\frac{1}{5}$ $\frac{1}{5}$ is _____ than $\frac{1}{4}$

What do you notice?



2 a) Shade the bar models to show the fractions.



b) Write < or > to compare the fractions.

$\frac{1}{7}$ ○ $\frac{1}{8}$ $\frac{1}{10}$ ○ $\frac{1}{8}$ $\frac{1}{10}$ ○ $\frac{1}{7}$
 $\frac{1}{8}$ ○ $\frac{1}{9}$ $\frac{1}{9}$ ○ $\frac{1}{10}$ $\frac{1}{7}$ ○ $\frac{1}{10}$

3 Use the words to complete the sentence.

greater

smaller

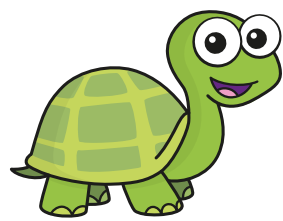
When the numerators are the same, then the _____

the denominator, the _____ the fraction.

Compare answers with a partner.



- 4 Tiny is comparing $\frac{1}{6}$ and $\frac{1}{9}$



9 is greater than 6, so $\frac{1}{9}$ must be greater than $\frac{1}{6}$

Do you agree with Tiny? _____

Explain your answer.

- 5 Write $<$, $>$ or $=$ to compare the fractions.

a) $\frac{1}{4}$ $\frac{1}{7}$

c) $\frac{1}{32}$ $\frac{1}{17}$

b) $\frac{1}{12}$ $\frac{1}{11}$

d) $\frac{1}{135}$ $\frac{1}{248}$

- 6 What could the missing denominators be?

Give three different answers for each one.

a) $\frac{1}{5} < \frac{1}{\boxed{}}$

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

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

b) $\frac{1}{4} > \frac{1}{\boxed{}}$

$\frac{1}{4} > \frac{1}{\boxed{}}$

$\frac{1}{4} > \frac{1}{\boxed{}}$

Compare answers with a partner.

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

$\frac{1}{9}$

$\frac{1}{3}$

$\frac{1}{7}$

$\frac{1}{2}$

$\frac{1}{11}$

smallest

greatest

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

$\frac{1}{12}$

$\frac{1}{4}$

$\frac{1}{14}$

$\frac{1}{40}$

$\frac{1}{41}$

greatest

smallest

- 8 Aisha has written some fractions in descending order. She has spilt some paint on some of the fractions.

$\frac{1}{3}$ $\frac{1}{\boxed{}}$ $\frac{1}{\boxed{}}$ $\frac{1}{7}$

What could the hidden denominators be?

Find all the possible answers.

