Compare fractions less than 1

1 Shade the bar models to represent the fractions.

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

$\frac{3}{4}$

Which fraction is greater?

b) $\frac{2}{7}$

$\frac{5}{7}$

Which fraction is smaller?

c) Choose a word to complete the sentence.

You may use the same word twice.

greater smaller

When the denominators are the same, the _____

the numerator, the _____ the fraction.

Compare answers with a partner.

2 Shade the bar models to represent the fractions.

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

$\frac{1}{3}$

Which fraction is greater?

b) $\frac{3}{5}$

$\frac{3}{8}$

Which fraction is smaller?

c) Choose a word to complete the sentence.

You may use the same word twice.

greater smaller

When the numerators are the same, the _____

the denominator, the _____ the fraction.

Compare answers with a partner.

3 Write <, > or = to compare the fractions.

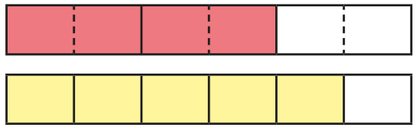
a) $\frac{7}{9} \bigcirc \frac{4}{9}$

b) $\frac{5}{12} \bigcirc \frac{7}{12}$

c) $\frac{7}{9} \bigcirc \frac{7}{12}$

d) $\frac{3}{10} \bigcirc \frac{3}{23}$

4 The bar models show $\frac{2}{3}$ and $\frac{5}{6}$



Write <, > or = to compare the fractions.

a) $\frac{2}{3}$ ◯ $\frac{4}{6}$ **b)** $\frac{2}{3}$ ◯ $\frac{5}{6}$ **c)** $\frac{5}{6}$ ◯ $\frac{2}{3}$

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

a) $\frac{3}{4}$ ◯ $\frac{5}{8}$ **c)** $\frac{4}{5}$ ◯ $\frac{11}{15}$

b) $\frac{5}{12}$ ◯ $\frac{2}{6}$ **d)** $\frac{2}{3}$ ◯ $\frac{11}{12}$

6 Esther and Scott have a bag of marbles.

a) Esther takes $\frac{3}{8}$ of the marbles.

Scott takes $\frac{3}{11}$ of the marbles.

Who has more marbles?

_____

b) They put the marbles back in the bag and then pick out a different number.

Esther takes $\frac{1}{4}$ of the marbles.

Scott takes $\frac{5}{16}$ of the marbles.

Who has more marbles?

_____

7 Jack is comparing $\frac{5}{12}$ and $\frac{8}{14}$

I know that $\frac{5}{12}$ is less than $\frac{1}{2}$ and $\frac{8}{14}$ is greater than $\frac{1}{2}$ So $\frac{5}{12}$ must be less than $\frac{8}{14}$

Use Jack's method to compare the fractions, using <, > or =.

a) $\frac{3}{4}$ ◯ $\frac{9}{22}$ **b)** $\frac{5}{6}$ ◯ $\frac{49}{140}$ **c)** $\frac{4}{9}$ ◯ $\frac{5}{7}$

8 Kim and Aisha are throwing basketballs into a hoop.

Kim scores $\frac{6}{7}$ of her shots.

Aisha scores $\frac{5}{6}$ of her shots.

Who was more accurate?

_____

9 Use the clues to find all the possible values of C.

- $\frac{A}{B} < \frac{C}{8}$
- B is 3 greater than A.
- A is the first prime number.
- Both fractions are less than 1

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