

# Compare and order (numerator)



**1** Use strips of paper to represent the fractions.  
Complete the sentences.

a)  $\frac{1}{3}$   $\frac{1}{5}$   $\frac{1}{6}$

The smallest fraction is  The greatest fraction is

b)  $\frac{2}{3}$   $\frac{2}{5}$   $\frac{2}{6}$

The smallest fraction is  The greatest fraction is

c)  $\frac{3}{3}$   $\frac{3}{5}$   $\frac{3}{6}$

The smallest fraction is  The greatest fraction is

What do you notice about your answers?

d) Complete the sentence.

When the \_\_\_\_\_ are the same, the \_\_\_\_\_  
the denominator, the \_\_\_\_\_ the fraction.



**2** Which is the greatest fraction? Circle your answer.

$$\frac{3}{100}$$

$$\frac{3}{1000}$$

$$\frac{3}{500}$$

How do you know?

**3** Write < or > to compare the fractions.

a)  $\frac{1}{7}$  ○  $\frac{1}{9}$

d)  $\frac{11}{12}$  ○  $\frac{11}{11}$

b)  $\frac{4}{5}$  ○  $\frac{4}{7}$

e)  $\frac{19}{5}$  ○  $\frac{19}{6}$

c)  $\frac{3}{13}$  ○  $\frac{3}{8}$

f)  $\frac{107}{53}$  ○  $\frac{107}{40}$

**4** a) Explain how you can compare  $\frac{2}{3}$  and  $\frac{4}{5}$  using the same numerator rule.

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b) Complete the sentence to compare  $\frac{2}{3}$  and  $\frac{4}{5}$

is greater than



5 Scott scores 20 out of 24 in a game.

Dani scores 5 out of 7

Compare their scores.

Explain who you think did better and why.

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

a)  $\frac{2}{5} \bigcirc 1\frac{1}{3}$

b)  $\frac{2}{5} \bigcirc \frac{6}{11}$

c)  $3\frac{2}{3} \bigcirc \frac{11}{4}$

$1\frac{2}{5} \bigcirc \frac{1}{3}$

$1\frac{2}{5} \bigcirc 3\frac{6}{11}$

$11\frac{2}{9} \bigcirc \frac{101}{3}$

$1\frac{2}{5} \bigcirc 1\frac{1}{3}$

$3\frac{2}{5} \bigcirc 3\frac{6}{11}$

$11\frac{1}{9} \bigcirc \frac{100}{8}$

$\frac{12}{5} \bigcirc \frac{12}{3}$

$\frac{12}{5} \bigcirc \frac{36}{11}$

$27\frac{3}{4} \bigcirc \frac{111}{3}$

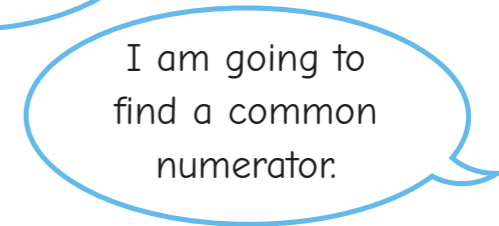
7 Max, Amir and Whitney are trying to work out which is the greatest fraction.

$\frac{3}{7}$     $\frac{13}{21}$     $\frac{5}{11}$



Max

I am going to find a common denominator.



Amir

I am going to find a common numerator.



Whitney

I am going to compare each of them to  $\frac{1}{2}$  to help me.

Whose method do you prefer? \_\_\_\_\_

Explain your reasons.

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8 How far away from 1 whole is each fraction?

$\frac{15}{17}$     $\frac{7}{9}$

Which is the greater fraction?

Show your workings.