Wed 17.6.20 year 5

Please continue the sequence so if you are up-to-date and have completed worksheets up to this point, move on to today's lesson:

We will continue lesson 4 summer week 4 from yesterday. Re-watch the video if you need to before the worksheet.

4 What could the missing numerators and denominators be?

Write a number in each box to make the statements correct.

a) $\dfrac{\Box}{5} < \dfrac{5}{15}$

b) $\dfrac{\Box}{6} < \dfrac{5}{12}$

c) $\dfrac{\Box}{12} < \dfrac{5}{6}$

d) $\dfrac{\Box}{3} < \dfrac{5}{6}$

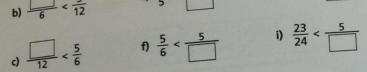e) $\dfrac{3}{5} < \dfrac{5}{\Box}$

f) $\dfrac{5}{6} < \dfrac{5}{\Box}$

g) $\dfrac{6}{9} < \dfrac{5}{\Box}$

h) $\dfrac{10}{12} < \dfrac{5}{\Box}$

i) $\dfrac{23}{24} < \dfrac{5}{\Box}$

Compare answers with a partner.

5 Tommy and Eva are comparing fractions.

$\dfrac{2}{3}$ $\dfrac{8}{12}$ $\dfrac{4}{9}$

I found a common denominator of 36 to compare the fractions.

Tommy

I found a common numerator of 4 to compare the fractions.

Eva

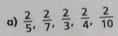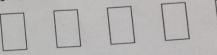Whose method is more efficient? _____

Talk about your answer with a partner.
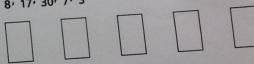
6 Write the fractions in ascending order.

a) $\dfrac{2}{5}, \dfrac{2}{7}, \dfrac{2}{3}, \dfrac{2}{4}, \dfrac{2}{10}$

$\Box$ $\Box$ $\Box$ $\Box$ $\Box$

b) $\dfrac{2}{3}, \dfrac{5}{9}, \dfrac{1}{9}, \dfrac{5}{6}, \dfrac{2}{9}$

$\Box$ $\Box$ $\Box$ $\Box$ $\Box$

c) $\dfrac{3}{5}, \dfrac{7}{10}, \dfrac{1}{2}, \dfrac{3}{10}, \dfrac{1}{5}$

$\Box$ $\Box$ $\Box$ $\Box$ $\Box$

d) $\dfrac{3}{8}, \dfrac{6}{17}, \dfrac{12}{30}, \dfrac{2}{7}, \dfrac{1}{3}$

$\Box$ $\Box$ $\Box$ $\Box$ $\Box$

7 What could the missing numerator be?

$\dfrac{3}{5} < \dfrac{\Box}{15} < \dfrac{9}{10}$

Write all four possibilities.

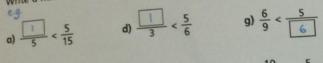$\dfrac{\Box}{15}$ $\dfrac{\Box}{15}$ $\dfrac{\Box}{15}$ $\dfrac{\Box}{15}$

4 What could the missing numerators and denominators be?

Write a number in each box to make the statements correct.

e.g.

a) $\frac{\boxed{1}}{5} < \frac{5}{15}$

b) $\frac{\boxed{2}}{6} < \frac{5}{12}$

c) $\frac{\boxed{5}}{12} < \frac{5}{6}$

d) $\frac{\boxed{1}}{3} < \frac{5}{6}$

e) $\frac{3}{5} < \frac{5}{\boxed{5}}$

f) $\frac{5}{6} < \frac{5}{\boxed{5}}$

g) $\frac{6}{9} < \frac{5}{\boxed{6}}$

h) $\frac{10}{12} < \frac{5}{\boxed{4}}$

i) $\frac{23}{24} < \frac{5}{\boxed{5}}$

Compare answers with a partner.

5 Tommy and Eva are comparing fractions.

$$\boxed{\frac{2}{3}} \quad \boxed{\frac{8}{12}} \quad \boxed{\frac{4}{9}}$$

Tommy: I found a common denominator of 36 to compare the fractions.

Eva: I found a common numerator of 4 to compare the fractions.

Whose method is more efficient? __Various__

Talk about your answer with a partner.

6 Write the fractions in ascending order.

a) $\frac{2}{5}, \frac{2}{7}, \frac{2}{3}, \frac{2}{4}, \frac{2}{10}$

$$\boxed{\frac{2}{10}} \quad \boxed{\frac{2}{7}} \quad \boxed{\frac{2}{5}} \quad \boxed{\frac{2}{4}} \quad \boxed{\frac{2}{3}}$$

b) $\frac{2}{3}, \frac{5}{9}, \frac{1}{9}, \frac{5}{6}, \frac{2}{9}$

$$\boxed{\frac{1}{9}} \quad \boxed{\frac{2}{9}} \quad \boxed{\frac{5}{9}} \quad \boxed{\frac{2}{3}} \quad \boxed{\frac{5}{6}}$$

c) $\frac{3}{5}, \frac{7}{10}, \frac{1}{2}, \frac{3}{10}, \frac{1}{5}$

$$\boxed{\frac{1}{5}} \quad \boxed{\frac{3}{10}} \quad \boxed{\frac{1}{2}} \quad \boxed{\frac{3}{5}} \quad \boxed{\frac{7}{10}}$$

d) $\frac{3}{8}, \frac{6}{17}, \frac{12}{30}, \frac{2}{7}, \frac{1}{3}$

$$\boxed{\frac{2}{7}} \quad \boxed{\frac{1}{3}} \quad \boxed{\frac{6}{17}} \quad \boxed{\frac{3}{8}} \quad \boxed{\frac{12}{30}}$$

7 What could the missing numerator be?

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

Write all four possibilities.

$$\boxed{\frac{10}{15}} \quad \boxed{\frac{11}{15}} \quad \boxed{\frac{12}{15}} \quad \boxed{\frac{13}{15}}$$