

3.2.21 Maths – ‘C’ Activity

Find a fraction equivalent to $\frac{4}{9}$ in which the sum of the numerator and denominator is 156.

Find a fraction equivalent to $\frac{5}{7}$ in which the product of the numerator and denominator is 875.

Find a fraction equivalent to $\frac{2}{13}$ in which four times the difference between the numerator and denominator is equal to the square of the numerator.

All of these fractions may be written with a denominator of 60. Write them all as sixtieths and then rewrite the list in ascending order. Your answer should contain the fractions in their original form.

$$\frac{17}{30} \quad \frac{1}{2} \quad \frac{7}{15} \quad \frac{3}{5} \quad \frac{9}{20} \quad \frac{4}{10}$$

Find the difference between $\frac{7}{11}$ and $\frac{9}{16}$.

Is this statement true or false? Explain your answer.

if either the numerator or the denominator of a fraction is a prime number then the fraction must be in its simplest form.

Is this statement true or false? Explain your answer.

if both the numerator and the denominator of a fraction are prime numbers then the fraction must be in its simplest form.