

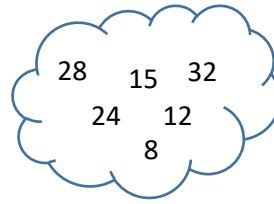
Equivalent Fractions Challenge

- 1 Use the numbers in the cloud to form fractions equivalent to:

a) $\frac{3}{4}$

b) $\frac{4}{5}$

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

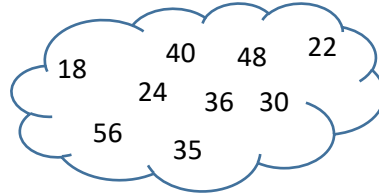


- 2 Same again, but this time there are some extra numbers in the cloud that you do not need.

a) $\frac{2}{3}$

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

c) $\frac{5}{8}$



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

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

- 5 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.

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

- 6 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.

- 7 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.