Multiplying unit fractions by whole numbers

Sheet 2

Multiply each of these fractions by 4. Simplify your answers where possible. Which do you think will give answers greater than 1? How do you know? If the answer is greater than 1, write it as a mixed number.

$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{5}$ $\frac{1}{7}$

Multiply each of these fractions by 3. Simplify your answers where possible. Which do you think will give answers greater than 1?

$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{6}$ $\frac{1}{8}$

Multiply each of these fractions by 5. Simplify your answers where possible. Which do you think will give answers greater than 1?

$\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{5}$ $\frac{1}{6}$ $\frac{1}{10}$

Multiply each of these fractions by 8. Simplify your answers where possible. Which do you think will give answers greater than 1?

$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{5}$ $\frac{1}{6}$

Challenge

Write three different multiplications of a fraction by a whole number which will give answers between 2 and 3.

Multiplying non-unit fractions by whole numbers

Sheet 1

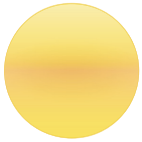
How many medals can you win?

Double each of these fractions. Simplify your answers where possible. Which do you think will give answers greater than 1? Write answers greater than 1 as mixed numbers.

$\frac{2}{5}$ $\frac{2}{3}$ $\frac{3}{4}$ $\frac{3}{8}$

Multiply each of these fractions by 3. Simplify your answers where possible.

$\frac{3}{4}$ $\frac{2}{3}$ $\frac{3}{7}$ $\frac{5}{6}$



Multiply each of these fractions by 4. Simplify your answers where possible.

$\frac{2}{3}$ $\frac{3}{4}$ $\frac{3}{8}$ $\frac{5}{7}$

Multiply each of these fractions by 5. Simplify your answers where possible.

$\frac{2}{5}$ $\frac{2}{7}$ $\frac{3}{10}$ $\frac{5}{8}$