Mathematics

Multiply a fraction by a whole number

Mr Kelsall



New learning: multiplying fractions Ciaran spends a quarter of an hour running.

He runs three times per week. How long does he spend running?

Draw

Model

Repeated addition

Multiplication

Fraction

Number line



New learning: multiplying fractions One blink of an eye takes 3/10 of a second.

How long will three blinks take?

Draw

Model

Repeated addition

Fraction

Multiplication

Number line



New learning: multiplying fractions

How would you solve these calculations? Can you draw them?

1/5 x 3 2/9 x 4 3 x 2/7

Develop learning: multiplying fractions

What do you notice about these calculations?

$$\frac{1}{4} \times 3 = \frac{3}{4}$$
 $\frac{3}{10} \times 3 = \frac{9}{10}$

$$\frac{1}{7} \times 5 = \frac{5}{7} \qquad \qquad \frac{1}{12} \times 8 = \frac{8}{12} = \frac{2}{3}$$

$$\frac{3}{15} \times 2 = \frac{6}{15} \qquad \qquad \frac{2}{9} \times 4 = \frac{8}{9}$$



Develop learning: multiplying fractions

6

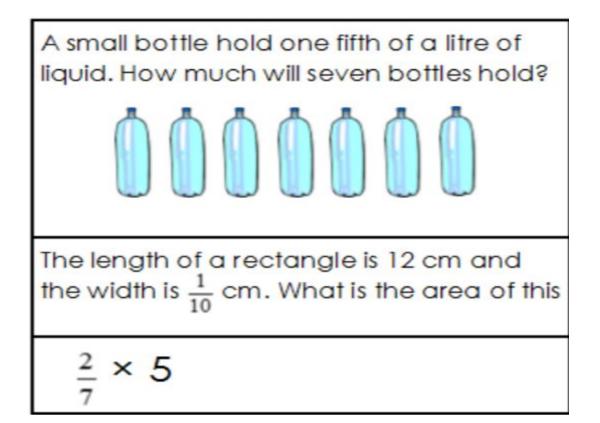
One cup holds a quarter of a litre of liquid, how much liquid will five cups hold? How is this questions different to previous ones?

Develop learning: multiplying fractions

A ribbon is $\frac{2}{3}$ of a metre long. Another ribbon is five times the length, how long is it?

7

Independent task: multiplying fractions





Independent task: multiplying fractions

