

## Convert fractions to decimals MAIN TASKS

### Question 1

Convert the following fractions to decimals.

$$\frac{3}{8}$$

$$\frac{3}{4}$$

$$\frac{5}{6}$$

$$\frac{2}{5}$$

THINK! What do you know about  $\frac{1}{4}$  and  $\frac{1}{5}$ ? Use the dividing strategy to solve the other 2 fractions.

### Question 2

Convert the following mixed numbers to decimals.

$$3\frac{1}{4}$$

$$4\frac{4}{5}$$

$$39\frac{4}{20}$$

$$7\frac{1}{2}$$

THINK! What do you know about  $\frac{1}{4}$  and  $\frac{1}{5}$ . Can 20<sup>th</sup> become 100ths? The  $\frac{1}{2}$  is easy!

### Question 3

Rownel buys the following lengths of ribbon in different colours to wrap a present:

$$2\frac{1}{4} \text{ m}$$

$$1.08 \text{ m}$$

$$3\frac{4}{5} \text{ m}$$

$$4\frac{4}{20} \text{ m}$$

How much ribbon does he have altogether?

Hint: convert the fractions to decimals.

Make sure you write your answers as  $?.??\text{m}$  – two numbers after the decimal point.

### Question 4

Write a set of steps that you would use to explain to someone how to convert fractions to decimals. Make sure they are detailed enough to be followed correctly.