GCSE FOUNDATION · REVISION MAT 1

# Terminating decimals and fractions

**1** Write each decimal as a fraction in its simplest form.

(a) 0.45 (b) 0.125

**2** Write each fraction as a decimal.

(a) $\frac{7}{20}$ (b) $\frac{5}{8}$

**3** Kai says,

"$\frac{1}{3} = 0.3$"

Explain why Kai is wrong.

**4** Show that

$0.6 + \frac{1}{4} = \frac{17}{20}$

**5** Write these numbers in order of size.
Start with the smallest.

$\frac{3}{8}$, 0.4, $\frac{7}{20}$, 0.38

**6** Jug A holds 0.65 litres of water.

Jug B holds $\frac{5}{8}$ litre of water.

Which jug holds more water?
By how many millilitres?

Mr&Mrs MATHS

ANSWERS · REVISION MAT 1

# Terminating decimals and fractions

**1** (a) $\frac{9}{20}$ (b) $\frac{1}{8}$

**2** (a) **0.35** (b) **0.625**

**3** $1 \div 3 =$ **0.333...**

The digits recur, so the decimal does not stop at 0.3.

**4** $\frac{1}{4} = 0.25$

$0.6 + 0.25 = 0.85 = \frac{17}{20}$ ✓

**5** As decimals: 0.375, 0.4, 0.35, 0.38

$\frac{7}{20}$, $\frac{3}{8}$, **0.38, 0.4**

**6** $\frac{5}{8} = 0.625$ litres

Jug **A** holds more, by **25 ml**

Mr&Mrs MATHS