GCSE FOUNDATION · REVISION MAT 4

Terminating decimals and fractions

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

(a) 0.72 (b) 0.625

2 Write each fraction as a decimal.

(a) $\frac{9}{40}$ (b) $\frac{3}{16}$

3 Nell says,

"$\frac{5}{9} = 0.5$"

Explain why Nell is wrong.

4 Show that

$0.45 + \frac{3}{10} = \frac{3}{4}$

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

$\frac{7}{8}$, 0.85, $\frac{17}{20}$, 0.9

6 Jug A holds 0.4 litres of water.

Jug B holds $\frac{3}{8}$ litre of water.

Which jug holds more water?
By how many millilitres?

Mr&Mrs MATHS

ANSWERS · REVISION MAT 4

Terminating decimals and fractions

1 (a) $\frac{18}{25}$ (b) $\frac{5}{8}$

2 (a) **0.225** (b) **0.1875**

3 $5 \div 9 =$ **0.555...**

The digits recur, so the decimal does not stop at 0.5.

4 $\frac{3}{10} = 0.3$

$0.45 + 0.3 = 0.75 = \frac{3}{4}$ ✓

5 As decimals: 0.875, 0.85, 0.85, 0.9

0.85, $\frac{17}{20}$, $\frac{7}{8}$, 0.9

6 $\frac{3}{8} = 0.375$ litres

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

Mr&Mrs MATHS