GCSE FOUNDATION · REVISION MAT 2

Terminating decimals and fractions

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

(a) 0.36 (b) 0.875

2 Write each fraction as a decimal.

(a) $\frac{3}{25}$ (b) $\frac{1}{8}$

3 Lara says,

"$\frac{2}{3} = 0.6$"

Explain why Lara is wrong.

4 Show that

$0.35 + \frac{2}{5} = \frac{3}{4}$

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

$\frac{5}{8}$, 0.6, $\frac{13}{20}$, 0.62

6 Jug A holds 0.7 litres of water.

Jug B holds $\frac{3}{4}$ litre of water.

Which jug holds more water?
By how many millilitres?

Mr&Mrs MATHS

ANSWERS · REVISION MAT 2

Terminating decimals and fractions

1 (a) $\frac{9}{25}$ (b) $\frac{7}{8}$

2 (a) **0.12** (b) **0.125**

3 $2 \div 3 =$ **0.666...**

The digits recur, so the decimal does not stop at 0.6.

4 $\frac{2}{5} = 0.4$

$0.35 + 0.4 = 0.75 = \frac{3}{4}$ ✓

5 As decimals: 0.625, 0.6, 0.65, 0.62

0.6, 0.62, $\frac{5}{8}$, $\frac{13}{20}$

6 $\frac{3}{4} = 0.75$ litres

Jug **B** holds more, by **50 ml**

Mr&Mrs MATHS