GCSE FOUNDATION · REVISION MAT 2

Calculating with fractions

1 Work out $\frac{3}{5} + \frac{1}{3}$

Give your answer in its simplest form.

2 Work out $\frac{5}{6} \times \frac{3}{10}$

Give your answer in its simplest form.

3 Show that $3\frac{1}{2} - 1\frac{2}{5} = 2\frac{1}{10}$

4 Ryan says,

"$\frac{2}{3} \div \frac{1}{6}$ must be less than $\frac{2}{3}$"

Is Ryan right? Explain your answer.

5 A shop has 90 tickets.

It sells $\frac{1}{3}$ of them on Saturday.

On Sunday it sells $\frac{3}{4}$ of the tickets that are left.

How many tickets are left at the end of Sunday?

6 A piece of ribbon is $4\frac{1}{2}$ m long.

It is cut into pieces that are each $\frac{2}{5}$ m long.

How many pieces can be cut?
How much ribbon is left over?

Mr&Mrs MATHS

ANSWERS · REVISION MAT 2

Calculating with fractions

1 $\frac{9}{15} + \frac{5}{15} = \frac{14}{15}$

2 $\frac{15}{60} = \frac{1}{4}$

3 $\frac{7}{2} - \frac{7}{5}$

$= \frac{21}{10} = 2\frac{1}{10}$ ✓

4 $\frac{2}{3} \times \frac{6}{1} = 4$

This is bigger, so Ryan is **wrong**: dividing by a fraction less than 1 gives a bigger answer.

5 Saturday: $\frac{1}{3} \times 90 = 30$

Left: 60

Sunday: $\frac{3}{4} \times 60 = 45$

15 tickets left

6 $4\frac{1}{2} \div \frac{2}{5} = 11\frac{1}{4}$

11 pieces, with $\frac{1}{10}$ **m** left over

Mr&Mrs MATHS