GCSE FOUNDATION · REVISION MAT 3

Calculating with fractions

1 Work out $\frac{5}{6} + \frac{2}{9}$

Give your answer in its simplest form.

2 Work out $\frac{2}{7} \times \frac{14}{15}$

Give your answer in its simplest form.

3 Show that $2\frac{3}{4} - 1\frac{5}{6} = \frac{11}{12}$

4 Aisha says,

"$\frac{4}{5} \div \frac{2}{15}$ must be less than $\frac{4}{5}$"

Is Aisha right? Explain your answer.

5 A shop has 240 plants.

It sells $\frac{3}{8}$ of them on Saturday.

On Sunday it sells $\frac{1}{5}$ of the plants that are left.

How many plants are left at the end of Sunday?

6 A piece of ribbon is $8\frac{2}{3}$ m long.

It is cut into pieces that are each $\frac{3}{4}$ m long.

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

1 $\frac{15}{18} + \frac{4}{18} = 1\frac{1}{18}$

2 $\frac{28}{105} = \frac{4}{15}$

3 $\frac{11}{4} - \frac{11}{6}$

$= \frac{11}{12} = \frac{11}{12}$ ✓

ANSWERS · REVISION MAT 3

Calculating with fractions

4 $\frac{4}{5} \times \frac{15}{2} = 6$

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

5 Saturday: $\frac{3}{8} \times 240 = 90$

Left: 150

Sunday: $\frac{1}{5} \times 150 = 30$

120 plants left

6 $8\frac{2}{3} \div \frac{3}{4} = 11\frac{5}{9}$

11 pieces, with $\frac{5}{12}$ **m** left over

Mr&Mrs MATHS