GCSE FOUNDATION · REVISION MAT 4

Ratios and fractions

1 A bag has boys and girls sweets in the ratio 5 : 3.

What fraction of the sweets are boys?

2 $\frac{5}{12}$ of a group are pens. The rest are pencils.

Write the ratio of pens to pencils.

3 The ratio of red to blue is 4 : 5.

Mo says $\frac{4}{5}$ are red.

Explain why Mo is wrong.

4 $y = 2.5x$

Show that the ratio x : y is always 1 : 2.5

5 Ali and Ben share some money.

Ali gets $\frac{1}{4}$ of the money.

Ben gets £60 more than Ali.

How much money is shared?

6 In a box, gold : silver = 1 : 2 and silver : bronze = 3 : 2

What fraction of the box are bronze?

Mr&Mrs MATHS

1 5 + 3 = 8 parts

$\frac{5}{8}$

2 Pencils: $\frac{7}{12}$

5 : 7

3 The total is 4 + 5 = 9 parts, not 5.

$\frac{4}{9}$ are red

ANSWERS · REVISION MAT 4

Ratios and fractions

4 $x : y = x : 2.5x$

Divide both by x: **1 : 2.5** ✓

5 Ben gets $\frac{3}{4}$

Difference = $\frac{2}{4}$ = £60

Total = **£120**

6 gold : silver : bronze = 3 : 6 : 4

$\frac{4}{13}$

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