GCSE FOUNDATION · REVISION MAT 2

Ratios and fractions

1 A bag has milk and dark sweets in the ratio 4 : 7.

What fraction of the sweets are milk?

2 $\frac{3}{8}$ of a group are adults. The rest are children.

Write the ratio of adults to children.

3 The ratio of boys to girls is 3 : 4.

Kai says $\frac{3}{4}$ are boys.

Explain why Kai is wrong.

4 $y = 5x$

Show that the ratio $x : y$ is always 1 : 5

5 Ali and Ben share some money.

Ali gets $\frac{2}{7}$ of the money.

Ben gets £30 more than Ali.

How much money is shared?

6 In a box, red : blue = 2 : 3 and blue : green = 4 : 5

What fraction of the box are green?

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1 4 + 7 = 11 parts

$\frac{4}{11}$

2 Children: $\frac{5}{8}$

3 : 5

3 The total is 3 + 4 = 7 parts, not 4.

$\frac{3}{7}$ are boys

ANSWERS · REVISION MAT 2

Ratios and fractions

4 $x : y = x : 5x$

Divide both by x: **1 : 5** ✓

5 Ben gets $\frac{5}{7}$

Difference = $\frac{3}{7}$ = £30

Total = **£70**

6 red : blue : green = 8 : 12 : 15

$\frac{15}{35} = \frac{3}{7}$

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