GCSE FOUNDATION · REVISION MAT 5

Ratios and fractions

1 A bag has apples and pears sweets in the ratio 7 : 4.

What fraction of the sweets are apples?

2 $\frac{1}{6}$ of a group are teachers. The rest are students.

Write the ratio of teachers to students.

3 The ratio of sand to cement is 3 : 7.

Nia says $\frac{3}{7}$ are sand.

Explain why Nia is wrong.

4 $y = 6x$

Show that the ratio x : y is always 1 : 6

5 Ali and Ben share some money.

Ali gets $\frac{2}{9}$ of the money.

Ben gets £35 more than Ali.

How much money is shared?

6 In a box, pens : pencils = 4 : 3 and pencils : rulers = 6 : 5

What fraction of the box are rulers?

Mr&Mrs MATHS

1 $7 + 4 = 11$ parts

$\frac{7}{11}$

2 Students: $\frac{5}{6}$

1 : 5

3 The total is $3 + 7 = 10$ parts, not 7.

$\frac{3}{10}$ are sand

ANSWERS · REVISION MAT 5

Ratios and fractions

4 $x : y = x : 6x$

Divide both by x: **1 : 6** ✓

5 Ben gets $\frac{7}{9}$

Difference = $\frac{5}{9}$ = £35

Total = **£63**

6 pens : pencils : rulers = 8 : 6 : 5

$\frac{5}{19}$

Mr&Mrs MATHS