N4 Applications of Maths – Fractions

1. Find the following fractions:

a) $^1/_3$ of £24	b) $^1/_4$ of 48 g	c) $^1/_5$ of 20 m
d) $^1/_8$ of 56 kg	e) $^1/_9$ of 45 cm	f) $^1/_2$ of 448 mg
g) $^1/_6$ of £120	h) $^1/_7$ of 63 litres	i) $^1/_4$ of 248 mm

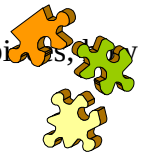
2. Find these harder fractions:

a) $^2/_5$ of 45 p	b) $^2/_3$ of 15 ml	c) $^5/_6$ of 18 cm	d) $^2/_9$ of £36
e) $^3/_5$ of 35 cm	f) $^4/_5$ of 45 g	g) $^5/_{12}$ of 48 ml	h) $^3/_{10}$ of 360 litres

3. There are 15 pupils in an S3 class. $\frac{2}{3}$ of them are boys. How many boys are there?

4. A video cassette can record 3 hours of programmes. Maggie has used up $\frac{5}{6}$ of it. How many minutes have been used?

5. Daniel was building a jigsaw which had 600 pieces in it. If he had fitted in $\frac{5}{12}$ of the pieces, how many had he **still to fit**?



6. In a box of 36 coloured pencils, $\frac{2}{9}$ of them were shades of red. How many were **not** shades of red?

7. There are 100 pencils in a box. $\frac{3}{5}$ of them are plain. $\frac{1}{4}$ have rubber tips and the rest are coloured.

(a) How many plain pencils are there?
(b) How many rubber-tipped pencils are there?
(c) How many coloured pencils are there?