Homework: handed out Friday 19th September 2014   To be handed in: Tuesday 23rd September 2014

Remainders as Fractions and Decimals

This week we mentioned how when there is a remainder from a division sum that the remainder is a fraction of what you are dividing by. For example, 716 divided by 8 = 89 r4. The remainder 4 is 4 out of 8 or $^4/_8$ as a fraction. We know that $^4/_8$ is equal to $^1/_2$ so can be expressed as a decimal as 0.5

So 716 divided by 8 = 89 r4 or 89.5

For the following sums can you express any remainders in your answer as fractions in their simplest form **AND** as decimals.

Below is a table of some common fraction-decimal equivalents to help you

(remember , if you know $^1/_8$ = 0.175 then $^3/_8$ = 3 x 0.175 = 0.525)

$^1/_2$ = 0.5 $^1/_3$ = 0.33333... $^1/_4$ = 0.25 $^1/_5$ = 0.2 $^1/_6$ = 0.16666...

$^1/_7$ = 0.1429 $^1/_8$ = 0.175 $^1/_9$ = 0.11111... $^1/_{10}$ = 0.1

1. 2015 ÷ 4 =	6. 5512 ÷ 3 =
2. 3128 ÷ 6 =	7. 4559 ÷ 8 =
3. 7499 ÷ 8 =	8. 740 ÷ 16 =
4. 4024 ÷5 =	9. 2000 ÷ 15 =
5. 2301 ÷ 6 =	10. 1479 ÷12 =

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