## Long division p1 Maths worksheets from mathsblog.co.uk

Warning: this calculation should only be carried out by this method after lots of earlier work leading up to it!

First carry out an estimate of the answer. I think 867 divided by 34 is over 20 but under 30. Then proceed using these steps:

- 1. How many 34s in 86?
- 2.  $2 \times 34$  is 68.  $3 \times 34$  is 102 which is too many, so it must be 2.
- 3. Put the 2 in the tens column above the question.
- 4. Place the 68 below the 86 and subtract.
- 5.86 68 is 18.
- 6. 'Bring down' the 7 to make 187.
- 7. How many 34s in 187.
- 8. By trial and improvement and some rough work multiplying 34 by my estimated numbers I find that  $34 \times 5 = 170$ .
- 9. Put the 5 in the column above the question.
- 10. Place the 170 under the 187 and subtract.
- 11. The remainder must be less than the original number you are dividing by.

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Working out:

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## **Answers**

1. 31 r 3 2. 56 r 10

3. 36 r 7 4. 22 r 5

5. 25 r 9 6. 31 r 3 7. 21 r 10 8. 23 r 32

9. 41 10. 23 11. 16 12. 21

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