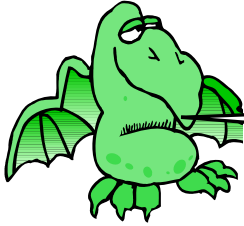


Dividing a 2-digit number by a single digit (pg 2)

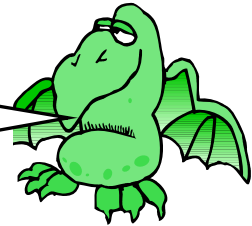
Maths worksheets from mathsblog.co.uk

This is an intermediate step in the progress towards developing an efficient, standard method of division on paper. It presumes a good knowledge of tables before starting.



Let's divide 89 by 6.

First, let's do an estimate of the answer.
 $89 \div 6$ is about 15. The answer will be just under 15.

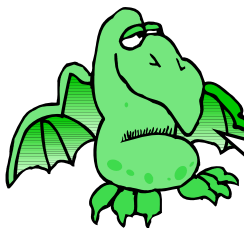


$$\begin{array}{r} 6 \overline{)89} \\ - 60 \quad (10 \times 6) \\ \hline 29 \\ - 24 \quad (4 \times 6) \\ \hline 5 \end{array}$$

Now, take away a tens multiple of the divisor (6).

$$10 \times 6 = 60.$$

Subtract 60, leaving 29.



Then ask 'How many sixes in 29?'
 $4 \times 6 = 24$ so it is 4 with a remainder of 5.

The answer is $10 + 4 = 14$, with a remainder of 5.

So the answer is 14 rem. 5

1. $5 \overline{)76}$

2. $3 \overline{)83}$

3. $4 \overline{)61}$

4. $5 \overline{)79}$

5. $6 \overline{)81}$

6. $3 \overline{)47}$

7. $7 \overline{)93}$

8. $8 \overline{)98}$

9. $6 \overline{)75}$

10. $4 \overline{)67}$

11. $9 \overline{)96}$

12. $8 \overline{)95}$

Answers

- | | | |
|------------|------------|------------|
| 1. 15 r 1 | 2. 27 r 2 | 3. 15 r 1 |
| 4. 15 r 4 | 5. 13 r 3 | 6. 15 r 2 |
| 7. 13 r 2 | 8. 12 r 2 | 9. 12 r 3 |
| 10. 16 r 3 | 11. 10 r 6 | 12. 11 r 7 |

Lots more like this on the MathSphere, 'It's All Figured Out' worksheet CD www.mathsphere.co.uk