

Maths

Solve the following questions, use a variety of methods to help you calculate the answer.

Dividing Multiples of 10 by 1-Digit Numbers

1. $250 \div 5 =$
2. $100 \div 5 =$
3. $80 \div 1 =$
4. $720 \div 8 =$
5. $180 \div 9 =$
6. $70 \div 1 =$
7. $420 \div 6 =$
8. $60 \div 6 =$
9. $200 \div 4 =$
10. $270 \div 3 =$

Multiplying Multiples of 10 by 1-Digit Numbers

1. $80 \times 7 =$
2. $10 \times 8 =$
3. $70 \times 1 =$
4. $50 \times 3 =$
5. $70 \times 5 =$
6. $50 \times 5 =$
7. $70 \times 7 =$
8. $60 \times 2 =$
9. $20 \times 8 =$
10. $90 \times 2 =$

1. $40 \times 8 =$
2. $20 \times 5 =$
3. $70 \times 2 =$
4. $60 \times 4 =$
5. $80 \times 4 =$
6. $20 \times 7 =$
7. $80 \times 7 =$
8. $40 \times 9 =$
9. $20 \times 8 =$
10. $60 \times 2 =$
11. $90 \times 2 =$
12. $80 \times 5 =$
13. $70 \times 2 =$
14. $60 \times 9 =$
15. $20 \times 6 =$

16. $50 \times 3 =$
17. $50 \times 5 =$
18. $70 \times 8 =$
19. $30 \times 8 =$
20. $30 \times 7 =$
21. $20 \times 3 =$
22. $80 \times 4 =$
23. $20 \times 2 =$
24. $30 \times 6 =$
25. $20 \times 2 =$
26. $80 \times 9 =$
27. $70 \times 4 =$
28. $90 \times 5 =$
29. $10 \times 7 =$
30. $90 \times 3 =$

True or False?

Look at the questions below and decide whether they are true or false. This is a quick mental arithmetic game, where you need to decide mentally the answers. Write next to each one whether you think they're true or false, then afterwards, check each question by solving them in a written form. See whether you are correct.

$19 + 15 = 34$	$34 = 19 + 15$
$19 + 15 = 0 + 34$	$34 = 16 + 17$
$19 + 15 = 15 + 19$	$19 + 15 = 21 + 13$
$34 = 34$	$19 + 15 = 20 + 16$

$19 + 15 = 34 + 0$	$19 + 15 = 22 + 18$
$19 + 15 = 34 + 15$	$15 + 19 = 20 + 14$

True or false- part two

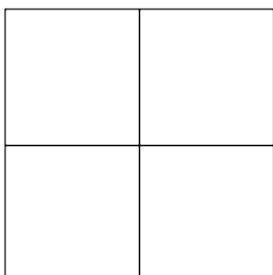
This is similar to above, but will be more challenging. You may have to work out each part of the question before making a choice whether they are true or false. Using a column method to check your answers will help you.

$346 + 289 = 349 + 286$	$727 + 581 = 581 + 727$
$478 - 192 = 480 - 194$	$831 - 344 = 841 - 334$
$346 + 289 = 345 + 288$	$727 + 581 - 581 = 727$
$831 - 344 + 346 = 831$	$169 + 672 = 2041$

Grids to reach 100

Here is a grid of four "boxes":

You will need to draw your own.



You must choose four **different** digits from 1–9 and put one in each box.
For example:

5	2
1	9

This gives four two-digit numbers:

52(reading along the 1st row)

19(reading along the 2nd row)

51(reading down the left hand column)

29(reading down the right hand column)

In this case their sum is 151.

Try a few examples of your own.

Is there a quick way to tell if the total is going to be even or odd?

Your challenge is to find four **different** digits that give four two-digit numbers which add to a total of 100.

How many ways can you find of doing it?

