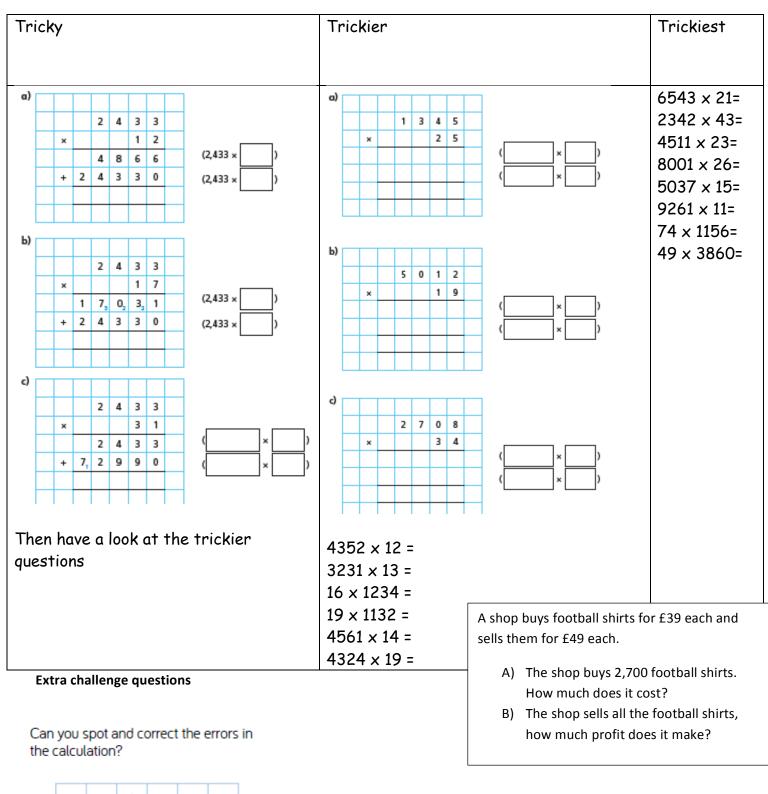
Session 3- Multiplication 4 digits by 2 digits



2 5 3 4 x 2 3 17 5 19 2 15 0 6 8

2

6

6

0

1

Find the product of 5,604 and 81

Calculate 9,999 x 99 (What other method could you have used?)

Tricky	Trickier (Ctd) Trickiest
2 4 3 3 x 1 2 4 8 6 6 + 2 4 3 3 0 2 9 1 9 6 1 1 7 2 4 3 3 x 1 7 1 7 ₃ 0 ₂ 3 ₂ 1 + 2 4 3 3 0 (2,433 x 2) (2,433 x 10) (2,433 x 7) (2,433 x 7) (2,433 x 7) (2,433 x 7) (2,433 x 7)	See manual workings in previous column 6543 × 21=137,403 2342 × 43=100,706 4352 × 12 =52,224 3231 × 13 =42,003 16 × 1234 =19,744 19 × 1132 =21,508 4561 × 14 =63,854 4324 × 19 =82,156 6543 × 21=137,403 2342 × 43=100,706 4511 × 23= 103,753 8001 × 26=,208,026 5037 × 15= 75,555 9261 × 11=101,871 74 × 1156=85,544 49 × 3860=189,140
2 4 3 3	
2 6 9 0 0 (1,345 × 20) 3 3 6 2 5 1 1 1 9 4 5 1 0 8 5 0 1 2 0 9 5 2 2 8	
2 7 0 8 1 0 8 3 2 1 0 8 3 2 8 1 2 4 0 9 2 0 7 2 1 0 8 × 4	

Spot the Mistakes

Can you spot and correct the errors in the calculation?

		2	5	3	4
×				2	3
		17	5	19	2
		₁ 5	0	6	8
	1	2	6 1	6	0

There are 2 errors. In the first line of working, the exchanged ten has not been added. In the second line of working, the place holder is missing. The correct answer should be 58,282

A shop buys football shirts for £39 each and sells them for £49 each.

- A) The shop buys 2,700 football shirts. How much does it cost? £105,300
- B) The shop sells all the football shirts, how much profit does it make? £27,000

989,901

Possible methods include: using the column method to work out 9,999 \times 99 working out 9,999 \times 100 and subtracting 9,999 working out 10,000 \times 99 and subtracting 99