

Multiply 4 Digits by 1 Digit

1. Complete the calculation below.

T	O
●●●●	●●●●●●
●●●●	●●●●●●
●●●●	●●●●●●
●●●●	●●●●●●
●●●●	●●●●●●
●●●●	●●●●●●
●●●●	●●●●●●
●●●●	●●●●●●
●●●●	●●●●●●

	3	5
X		

VF

4. Annie and Rory have been cycling.



I cycled 45km each week for 8 weeks. I have cycled further than Annie in total because I have been cycling for 3 more weeks than she has.

I cycled 72km each week for 5 weeks. I have cycled further than Rory in total because I cycled further each week.



Who is correct? Prove it.

R

2. Match each calculation to the correct answer.

A.

	2	4	6
X			6

B.

	3	9	7
X			4

1,476

1,268

1,580

1,246

1,588

VF

5. Find and correct the mistake(s) in the calculations below.

	5	6	8
X			4
2	2	6	4
	2	2	

>

	3	9	6
X			6
1	8	7	6
		3	

R

3. Complete both representations to show the correct answer to 467×4 .

H	T	O

	4	6	7
X			4

VF

6. Use the digit cards below to complete the calculation. Each card can only be used once.

2 4 5 6 8

	1		3
X			
			8
		1	

PS

Multiply 4 Digits by 1 Digit

1.

	3	5
x		9
3	1	5
	4	

2. A. 1,476; B. 1,588

3.

H	T	O
● ● ● ●	● ● ● ● ●	● ● ● ● ●
● ● ● ●	● ● ● ● ●	● ● ● ● ●
● ● ● ●	● ● ● ● ●	● ● ● ● ●
● ● ● ●	● ● ● ● ●	● ● ● ● ●

	4	6	7
x			4
1	8	6	8
	2	2	

4. Both Annie and Rory are incorrect. They have cycled the same total distance because both $45 \times 8 = 360$ and $72 \times 5 = 360$. Their reasoning is incorrect as Rory is comparing the number of weeks cycled but not the distance each week, and Annie is comparing the distance cycled but not how many weeks this was for.

5. In the first calculation, 8×4 has been written as 24 and not 32. The correct product is 2,272. In the second calculation, the exchange of 50 tens for 5 hundreds has not been added making the answer is 500 less than it should be. The correct product is 2,376. This means that the incorrect inequality symbol has also been used. The corrections are shown below:

	5	6	8
x			4
2	2	7	2
	2	3	

<

	3	9	6
x			6
2	3	7	6
	5	3	

6.

	1	4	3
x			6
	8	5	8
	2	1	