



***Vision: Every pupil at King Henry VIII School gets the best possible opportunities and education regardless of background or ability***

King Henry VIII School  
*Ysgol Brenin Harri'r VIII*

***Grid Method for Multiplication***



Task 1:  
Work out  $8 \times 47$

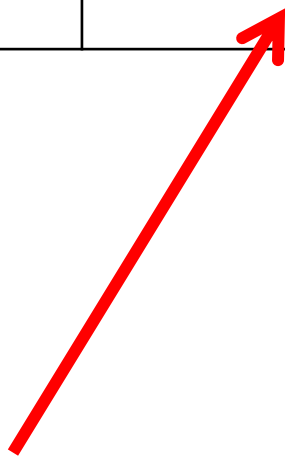
Draw a multiplication grid and put the numbers in, splitting up 47 into  $40 + 7$

x	40	7
8		





x	40	7
8		



The answer to  $8 \times 40$   
goes here



The answer to  $8 \times 7$  goes here





x	40	7
8	320	56

Add up the answers in the grid:  $320 + 56 = 376$



so  $8 \times 47 = 376$





It's just the same method for long multiplication, we just use a bigger grid!





Task 2:  
Work out  $26 \times 45$

Split up 26 into  $20 + 6$  and 45 into  $40 + 5$

x	40	5
20		
6		





$$20 \times 40$$

$$20 \times 5$$

x	40	5
20		
6		

$$6 \times 40$$

$$6 \times 5$$

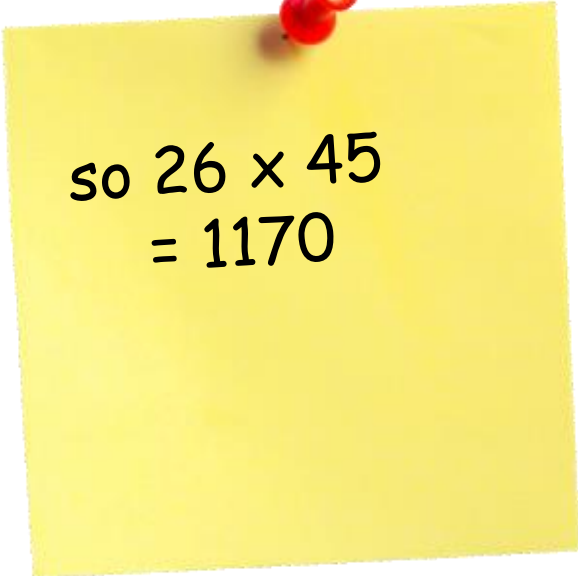




x	40	5
20	800	100
6	240	30

Add up the answers in the grid:

$$800 + 100 + 240 + 30 = 1170$$



so  $26 \times 45$   
 $= 1170$

