Remember to move the digits……
Right for divide because the value of the digits gets smaller
Left for multiplication because the value of the digits gets larger.

Multiply the following numbers by 10, 100 and 1 000:

a

T Th	Th	H	T	U	
			1	7	
					× 10
					× 100
					× 1 000

b

T Th	Th	H	T	U	
			4	3	
					× 10
					× 100
					× 1 000

c

T Th	Th	H	T	U	
			8	5	
					× 10
					× 100
					× 1 000

d

T Th	Th	H	T	U	
			9	9	
					× 10
					× 100
					× 1 000

Try these:

a 14 × 10 = ☐ **b** 14 × 100 = ☐ **c** 14 × 1 000 = ☐

d 92 × 10 = ☐ **e** 92 × 1 000 = ☐ **f** 92 × 100 = ☐

g 11 × 1 000 = ☐ **h** 11 × 100 = ☐ **i** 11 × 10 = ☐

Use patterns to help you solve these:

a 5 × 2 _____ 5 × 20 _____ 5 × 200 _____

b 2 × 9 _____ 2 × 90 _____ 2 × 900 _____

c 6 × £4 _____ 6 × £40 _____ 6 × £400 _____

d 8 × 3 _____ 8 × 30 _____ 8 × 300 _____

e 3 × £7 _____ 3 × £70 _____ 3 × £700 _____

f 2 × 8 _____ 20 × 8 _____ 200 × 8 _____

g 3 × 9 _____ 30 × 9 _____ 300 × 9 _____

Remember to move the digits……
Right for divide because the value of the digits gets smaller
Left for multiplication because the value of the digits gets larger.

Answer these problems:

a Jock runs 50 km per week. How far does he run over 10 weeks?

b Huy earns £20 pocket money per week. If he saves half of this, how much will he have saved at the end of 8 weeks?

c The sum of two numbers is 28. When you multiply them together, the answer is 160. What are the numbers?

Divide the following numbers by 10, 100 and 1 000:

a

T Th	Th	H	T	U	
4	5	0	0	0	
					÷ 10
					÷ 100
					÷ 1 000

b

T Th	Th	H	T	U	
4	3	0	0	0	
					÷ 10
					÷ 100
					÷ 1 000

c

T Th	Th	H	T	U	
8	5	0	0	0	
					÷ 10
					÷ 100
					÷ 1 000

d

T Th	Th	H	T	U	
8	8	0	0	0	
					÷ 10
					÷ 100
					÷ 1 000