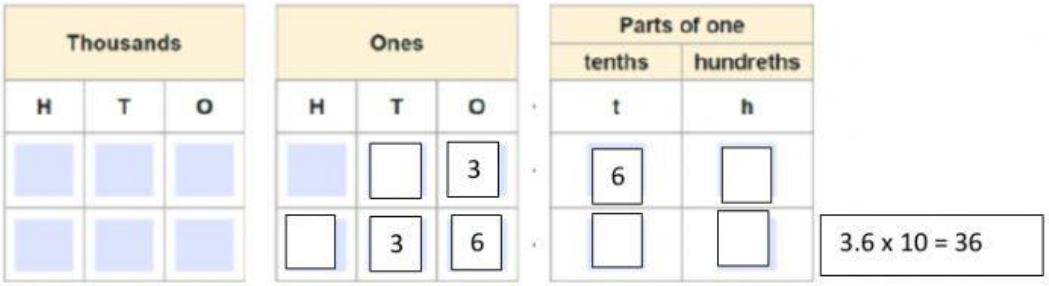
Multiplying by 10 and 100

NAME:

When we multiply by 10 the digits in a number move 1 place to the left

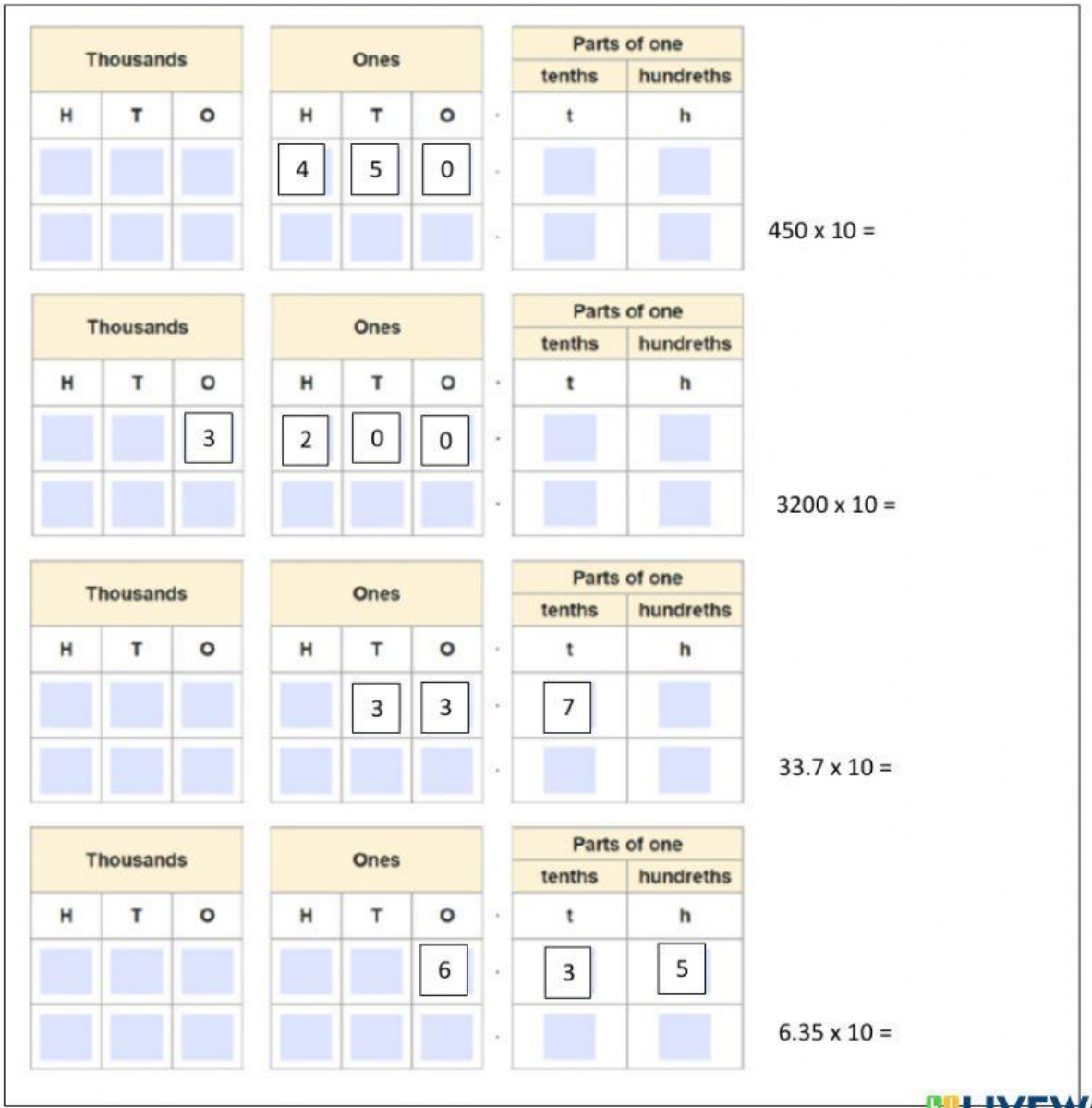


3.6 x 10 = 36

Short cut for decimal numbers – move the decimal one place to the right

36 x 10 = 360

Short cut for whole numbers – add a zero



LIVEWORKSHEETS

When we multiply by 100, the digits move 2 places to the left.

Thousands			Ones			Parts of one	
						tenths	hundreths
H	T	O	H	T	O	t	h
					3	6	
			3	6	0		

3.6 x 100 = 360

3.6 x 100 = 360 **Short cut for decimal numbers – move the decimal two place to the right**

36 x 100 = 3600 **Short cut for whole numbers – add two zeros**

When we multiply by 100, the digits move 2 places to the left.

Thousands			Ones			Parts of one	
						tenths	hundreths
H	T	O	H	T	O	t	h
				6	5		

65 x 100 =

Thousands			Ones			Parts of one	
						tenths	hundreths
H	T	O	H	T	O	t	h
			5	8	0		

580 x 100 =

Thousands			Ones			Parts of one	
						tenths	hundreths
H	T	O	H	T	O	t	h
					6	3	

6.3 x 100 =

Thousands			Ones			Parts of one	
						tenths	hundreths
H	T	O	H	T	O	t	h
				5	7	0	3

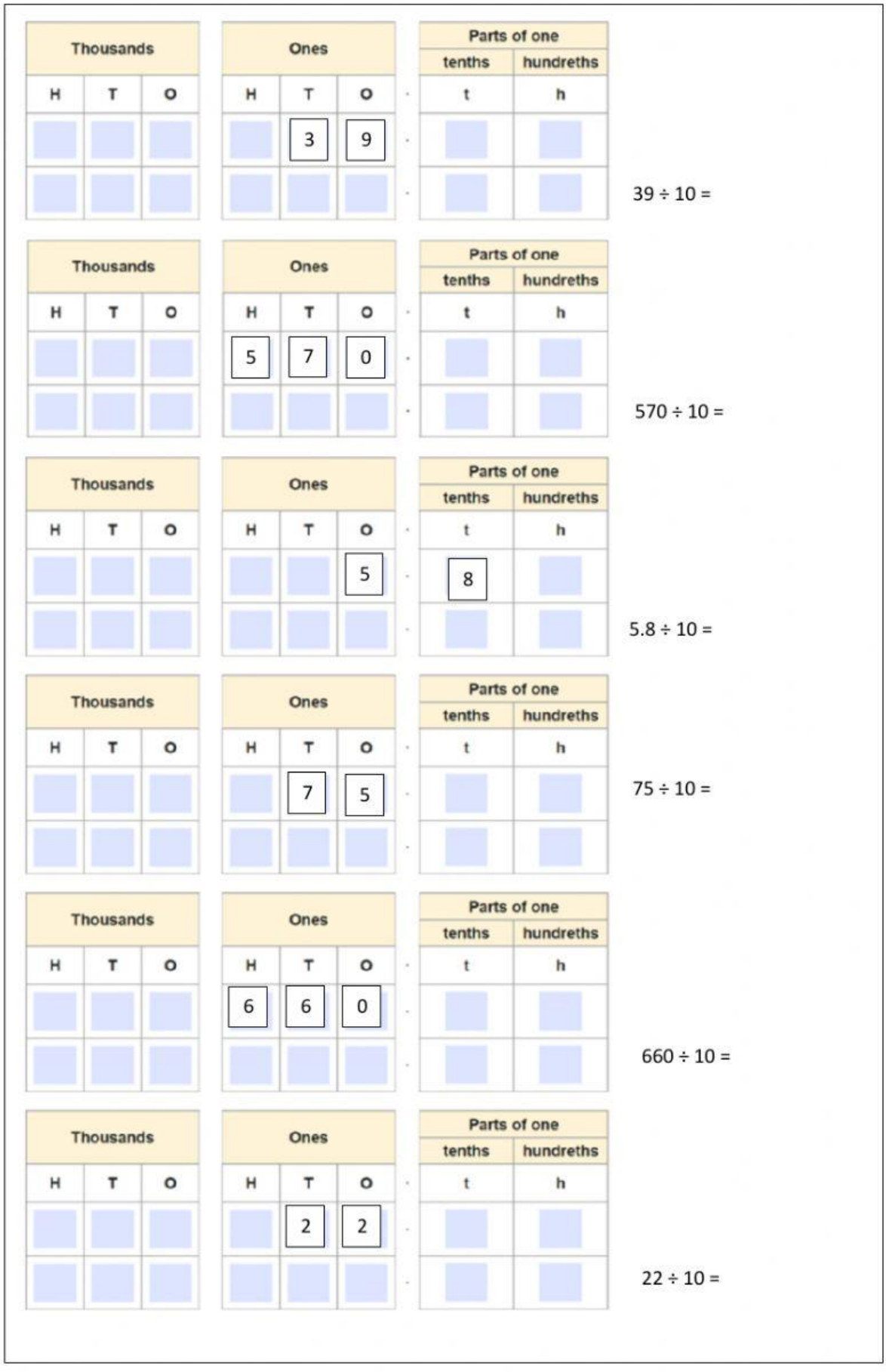
57.03 x 100 =

When we divide by 10 the digits in a number move 1 place to the right.

LIVEWORKSHEETS

3.6 ÷ 10 = 0.36 **Short cut for decimal numbers – move the decimal one place to the left**

36 ÷ 10 = 3.6 **Short cut for whole numbers – add 1 decimal place**



LIVEWORKSHEETS