Q1. The place value grids below show three **possible** ways, to work out  $97.36 \times 10$ 

Method (a)						Method (b)								Method (c)						
Н	Т	U	• t	h	th		Н	Т	U	• t	h	th		Н	Т	U	• t	h	th	
	9	7	• 3	6		$\rightarrow 10$		9	7	• 3	6		$\rightarrow \times 10$		9	7	• 3	6		$\rightarrow \times 10$
9	7	0	• 3	6				9	7	• 3	6	0		9	7	3 •	• 6			

(i) Use your calculator to work out the **correct** answer for 97.36  $\times$  10

(ii) Circle the correct method

Q	(a) Guess (no calculator)							(	b) (	Jse a	ı cal	cula	ntor	(c) Save	for teacher		
2	H	Т	U	• t	h	th			Н	Т	U	t	h	th			
		2	7	4	1		$\rightarrow$ × 10			2	7	4	1		$\rightarrow$ × 10	2	<b>7</b> ● <b>4</b> 1

Turn over for more questions

## Q1. The place value grids below show three **possible** ways, to work out 97.36 $\times$ 10

Method (a)						Method (b)								Method (c)						
Н	Т	U	t	h	th		Н	Т	U	t	h	th		Н	Т	U	t	h	th	
	9	7	• 3	6		$  \times 10 $		9	7	• 3	6		$\rightarrow \times 10$		9	7	• 3	6		$\rightarrow \times 10$
9	7	0	• 3	6				9	7	• 3	6	0		9	7	3	6			

(i) Use your calculator to work out the **correct** answer for 97.36  $\times$  10

(ii) Circle the correct method

Q	(a) Guess (no calculator)							(	(b) U	Jse a	a cal	cula	ator	(c) Save	e for teacher			
2		Η	Т	U	• t	h	$^{\mathrm{th}}$	]		Н	Т	U	t	h	$^{\mathrm{th}}$			
			2	7	• 4	1		$\rightarrow \times 10$			2 7 • 4 1	$\rightarrow \times 10$	$2  7 \bullet 4  1$					
					•			Ļ					•			<i>\</i>		

Turn over for more questions

## no calculator

number  $\times$  10 etc (10) warm up

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Q	(a) Guess (no calculator)	(b) Use a calculator	(c) Save for teacher
3	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c cccc} H & T & U \bullet t & h & th \end{array}$	
	$4  9 \bullet 3 \qquad \qquad \searrow \times 10$	$4  9 \bullet 3 \qquad \qquad \searrow \times 10$	$4  9 \bullet 3$
	• F		
4	$\begin{array}{ c c c c c } \hline H & T & U \bullet t & h & th \\ \hline \end{array}$	$\begin{array}{ c c c c c } \hline H & T & U \bullet t & h & th \\ \hline \end{array}$	
	$6  3 \bullet 2  8 \qquad \searrow \times 10$	$6  3 \bullet 2  8 \qquad \searrow \times 10$	$6  3 \bullet 2  8$
5	$\begin{array}{ c c c c c } \hline H & T & U \bullet t & h & th \\ \hline \end{array}$	$\begin{array}{ c c c c c } \hline H & T & U \bullet t & h & th \\ \hline \end{array}$	
	$5 8 \bullet 4 \longrightarrow 10$	$5 8 \bullet 4 \longrightarrow \times 10$	$5  8 \bullet 4$

Q	(a) Guess (no calculator)	(b) Use a calculator	(c) Save for teacher	
3	$\begin{array}{ c c c c c } \hline H & T & U \bullet t & h & th \\ \hline \end{array}$	$\begin{array}{ c c c c c } \hline H & T & U \bullet t & h & th \\ \hline \end{array}$		
	$4  9 \bullet 3 \qquad \searrow \times 10$	$4  9 \bullet 3 \qquad \searrow \times 10$	4 9•3	
4	H T U t h th	H T U • t h th		
	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$6  3 \bullet 2  8 \qquad \searrow \times 10$	$6  3 \bullet 2  8$	
F				
5				
	$ \begin{array}{ c c c c c } 5 & 8 \bullet 4 \\ \hline \end{array} \end{pmatrix} \times 10 $	$5 8 \bullet 4 $	$5 8 \bullet 4$	