

DAY	OBJECTIVES	TEACHING ACTIVITIES (20 mins)	INDEPENDENT WORK (20 mins)	Plenary / HOMEWORK (10 mins)	Success Criteria Must/should/could <i>I can:</i>	Evaluation																																																																																																		
	<p>Mental: Read scales</p> <p>Main: Multiply and divide one-digit and two-digit numbers by 10 or 100, and describe the effect</p> <p>E1006</p>	<p>Mental: In ability pairs children draw a scale on their WBs with arrows pointing to unlabelled intervals for their partner to label</p> <p>Main: HA do MA work without listening to my model Model for LA and MA how to multiply and divide by 10, 100 and 1,000 by: Model how to multiply by 10, 100 or 1,000: X 10, add one zero     <math>3 \times 10 = 30</math> X 100, add two zeros     <math>3 \times 100 = 300</math> X 1,000 add three zeros     <math>3 \times 1,000 = 3,000</math> Model how to divide by 10, 100 or 1,000: ÷ by 10, lose one zero     <math>30 \div 10 = 3</math> ÷ by 100, lose two zeros     <math>300 \div 100 = 3</math> ÷ by 1,000, lose three zeros     <math>3,000 \div 1,000 = 3</math> Check HA were OK with MA work Model for HA how to do multiply and divide by 10, 100 and 1,000 with calculations involving decimal places</p> <p>To MULTIPLY:</p> <table border="1" data-bbox="869 788 1171 831"> <thead> <tr><th>Th</th><th>H</th><th>T</th><th>U</th><th>t</th><th>h</th><th>th</th></tr> </thead> <tbody> <tr><td></td><td></td><td></td><td>3</td><td></td><td></td><td></td></tr> </tbody> </table> <p>X 10 move the numbers <u>1</u> place to the LEFT</p> <table border="1" data-bbox="869 847 1171 890"> <thead> <tr><th>Th</th><th>H</th><th>T</th><th>U</th><th>ths</th><th>hths</th><th>ths</th></tr> </thead> <tbody> <tr><td></td><td></td><td></td><td>3</td><td>0</td><td></td><td></td></tr> </tbody> </table> <p>X 100 move the numbers <u>2</u> places to the LEFT</p> <table border="1" data-bbox="869 906 1171 949"> <thead> <tr><th>Th</th><th>H</th><th>T</th><th>U</th><th>ths</th><th>hths</th><th>ths</th></tr> </thead> <tbody> <tr><td></td><td></td><td></td><td>3</td><td>0</td><td>0</td><td></td></tr> </tbody> </table> <p>X 1,000 move the numbers <u>3</u> places to the LEFT</p> <table border="1" data-bbox="869 965 1171 1008"> <thead> <tr><th>Th</th><th>H</th><th>T</th><th>U</th><th>ths</th><th>hths</th><th>ths</th></tr> </thead> <tbody> <tr><td></td><td></td><td></td><td>3</td><td>0</td><td>0</td><td>0</td></tr> </tbody> </table> <p>To DIVIDE:</p> <p>÷ 10 move the numbers <u>1</u> place to the RIGHT</p> <table border="1" data-bbox="869 1080 1171 1123"> <thead> <tr><th>Th</th><th>H</th><th>T</th><th>U</th><th>ths</th><th>hths</th><th>ths</th></tr> </thead> <tbody> <tr><td></td><td></td><td></td><td>0</td><td>3</td><td></td><td></td></tr> </tbody> </table> <p>÷ 100 move the numbers <u>2</u> places to the RIGHT</p> <table border="1" data-bbox="869 1139 1171 1182"> <thead> <tr><th>Th</th><th>H</th><th>T</th><th>U</th><th>ths</th><th>hths</th><th>ths</th></tr> </thead> <tbody> <tr><td></td><td></td><td></td><td>0</td><td>0</td><td>3</td><td></td></tr> </tbody> </table> <p>÷ 1,000 move the numbers <u>3</u> places to the RIGHT</p> <table border="1" data-bbox="869 1198 1171 1241"> <thead> <tr><th>Th</th><th>H</th><th>T</th><th>U</th><th>ths</th><th>hths</th><th>ths</th></tr> </thead> <tbody> <tr><td></td><td></td><td></td><td>0</td><td>0</td><td>0</td><td>3</td></tr> </tbody> </table>	Th	H	T	U	t	h	th				3				Th	H	T	U	ths	hths	ths				3	0			Th	H	T	U	ths	hths	ths				3	0	0		Th	H	T	U	ths	hths	ths				3	0	0	0	Th	H	T	U	ths	hths	ths				0	3			Th	H	T	U	ths	hths	ths				0	0	3		Th	H	T	U	ths	hths	ths				0	0	0	3	<p>LA – multiply and divide numbers by 10 or 100</p> <p>MA – as for LA, but also multiply and divide by 1,000 (whole number answers)</p> <p>HA – as for MA, but calculations that involve decimals</p>	<p>I put a number on the board that the children need to multiply and divide by 10, 100 or 1,000 on their WBs</p>	<p>M: multiply and divide numbers by 10 or 100</p> <p>S: also multiply and divide by 1,000 (whole number answers)</p> <p>C: include calculations that involve decimal places</p>	
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