

TTh		Th		H		T		U	.	$\frac{1}{10}$		$\frac{1}{100}$
						0		0	.	0		0

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TTh		Th		H		T		U	.	$\frac{1}{10}$		$\frac{1}{100}$
						0		0	.	0		0

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Multiplying and Dividing by 10, 100 etc SLIDER

Warning: The symbols for a tenth and a hundredth may not appear correctly on your computer.

Instructions (also refer to photo on page 4).

1. Print p1 onto card - if you make the SLIDERS in fours (i.e. two sheets of paper) you can have different colour SLIDER strips and bases.
2. Cut out both the base and the SLIDER strip.
3. Laminate both - do not place the SLIDER strip at the edge of the laminating pouch as the spare plastic is needed at both ends to pull the SLIDER through the base. (You could use an A3 laminating pouch to give you plenty of plastic to pull the SLIDER through the base).
4. Cut out both parts of the SLIDER leaving the spare plastic on both ends of the SLIDER strip.
5. Make vertical slits on the SLIDER base with a craft knife - only on the row containing 0s.
6. Make sure the SLIDER strip has been trimmed thin enough and thread it through the base.
7. The learner can now write a number on the SLIDER strip with an erasable dry wipe / white board marker.
8. Learner then pulls on the strip to move it the correct number of places to the left or right to multiply or divide by powers of 10.
9. An extra slider is included (below) for working with large whole numbers up to a million.

M		HTh		TTh		Th		H		T		U
						0		0		0		0

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Teaching Notes

The SLIDER is a device which can be used in the teaching of multiplying and dividing by powers of 10. It allows the learner to see the digits moving left or right when they multiply or divide by powers of 10 and discourages the use of 'adding zeros' or 'moving the decimal point' which are not now used in schools.

Main Curriculum References

Actual references will vary with the learner group and the way the resource is used.

N1/L1.1 Read, write, order and compare numbers, including large numbers.

(a) understand that the position of a digit signifies its value.

(b) know what each digit represents in a number up to 7 digits, including the use of zero as a place holder.

N2/L1.4 Read, write, order and compare decimals up to three places.

(a) understand that the position of a digit signifies its value

(b) know that the decimal point separates whole numbers from decimal fractions

(c) know what each digit represents, including the use of zero as a place holder

To obtain an editable version of the original Word document please send teaching ideas or any adult basic skills resource that you would like to share to maggie@skillsworkshop.org

THANK YOU

TTh	Th	H	T	U	.	$\frac{1}{10}$	$\frac{1}{100}$
	2	6	5	0	.		

TTh	Th	H	T	U	.	$\frac{1}{10}$	$\frac{1}{100}$
		2	6	5	.		

TTh	Th	H	T	U	.	$\frac{1}{10}$	$\frac{1}{100}$
			2	6	.	5	