	Learn common halves and apply to halving numbers to 100 $\frac{1}{2}$ of 1 = 0.5 $\frac{1}{2}$ of 2 = 1		
PLATINU	M CHALL	ENGE KS2	$\frac{1}{2}$ of 3 = 1.5
			$\frac{1}{2}$ of 4 = 2
<u>Multiplying num</u>		Dividing numbers by	$\frac{1}{2}$ of 5 = 2.5
<u>10, 100 and 100</u>		<u>10, 100 and 1000 mentally</u>	$\frac{1}{2}$ of 6 = 3 $\frac{1}{2}$ of 7 = 3 .5
All digits move to t		ll digits move to the right 1, 2 or 3 times. Fill any gaps with	$\frac{1}{2}$ of 8 = 4
or 3 times. Fill any place hold	5	place holders Eg.	$\frac{1}{2}$ of 9 = 4 .5
Eq. 14 × 10		14 divided by $10 = 1.4$	Then apply this knowledge to mixed numbers
	h h th th th Th		$\frac{1}{2}$ of 35 = 17.5
	+		$\frac{1}{2}$ of 75 = 37.5
	┽┼┼─┤║┝─		$\frac{1}{2}$ of 33 = 16.5 $\frac{1}{2}$ of 67 = 33.5
1 4 0	╶┹┈╌┛╶┨╟──		
Eg $14 \times 100 = 140$	h i th i th	. 14 divided by 100 = 0.14	<u>Learn equivalent</u>
	$h h^{th} th^{th}$ Th	$H T U t^{\dagger h} h^{\dagger h} t^{\dagger h}$	<u>fractions, decimals and</u> <u>percentages</u>
1 4		1 4	$\frac{1}{2} = 0.5 = 50\%$
1 4 0 0		0.14	¹ / ₄ = 0.25 = 25%
Eg. 1.4 × 1000		.14 divided by 1000 = 0.014	$\frac{3}{4} = 0.75 = 75\%$
Th H T U t^1	h h th th th Th		$\frac{1}{10} = 0.1 = 10\%$ $\frac{2}{10} = 0.2 = 20\%$
	+++		$\frac{1}{10} = 0.2 = 20\%$ $\frac{1}{100} = 0.01 = 1\%$
1 4 0 0	┽┽┥║	1 4	$\frac{5}{100} = 0.05 = 5\%$
		0.014	Know all tenths and hundredths
Well Don	Well Done for achieving your Gold Award.		
Can you now become a Pla		•	³ / ₅ = 0.6 = 60%
			$\frac{1}{3} = 0.33 = 33.3 \%$
<u>Square Numbers</u>	<u>Square Roots</u>	<u>Conversion</u> How many?	$^{2}/_{3} = 0.66 = 66.6 \%$ $^{1}/_{8} = 0.125 = 12.5\%$
1 × 1 = 1	1 is 1	mm in a cm (10mm)	78 - 0.125 - 12.5%
2 x 2 = 4	4 is 2		rn all the factors of
3 x 3 = 9	9 is 3		numbers up to 30 rs are numbers that divide
4 × 4 = 16	16 is 4	cl in a l (100 cl) exac	tly into another number.
5×5= 25	25 is 5		ors of 12, for example, are , 2, 3, 4, 6 and 12.
6 x 6 = 36	36 is 6		an be shown in pairs . The f 12 can be shown:
7 × 7 = 49	49 is 7	Time • 1	and 12 because 1 x 12 = 12
8 × 8 = 64	64 is 8	(365/366) • 3	and 6 because 2 x 6 = 12 and 4 because 3 x 4 = 12
9 × 9 = 81	81 is 9	Years in a century Each pair	multiplies to make 12. f 12, 16, 24, 36 & 72
10 × 10 = 100	100 is 10	Years in a millennium What is	a PRIME number? er that is only divisible
11 × 11 = 121	121 is 11	Days in each month itself and	11
12 x 12 = 144	144 is 12	(E.G.2,3)	5,7,11,13,17,19)