Example 9		Self Tutor							
Round off to the nearest 10:									
a 48	b 583	c 5705							
a 48 ≈ 50	{Round up, as	{Round up, as 8 is greater than 5}							
b 583 ≈ 580	{Round down,	as 3 is less than 5}							
5705 ≈ 571	0 {5 is rounded	up}							

Example 10						Self Tutor		
Rou	and off to the nearest	100:	a	452	ь	37239		
a	$452 \approx 500$	{5 is ro	unde	ed up}				
ь	$37239\approx37200$	{Round	dov	vn, as 3	3 is les	s than 5}		

Example 11 Self Tutor

Round: **a** 3.27 to one decimal place **b** 6.3829 to two decimal places.

a 3.27 has 2 in the *first* decimal place and 7 in the *second* decimal place.

Since 7 is in the second decimal place and is greater than 5, we increase the digit in the first decimal place by 1 and delete what follows. So, $3.27 \approx 3.3$

b 6.3829 has 8 in the *second* decimal place and 2 in the *third* decimal place.

Since 2 is less than 5, we retain the 8 and delete all digits after it.

So, $6.3829 \approx 6.38$

