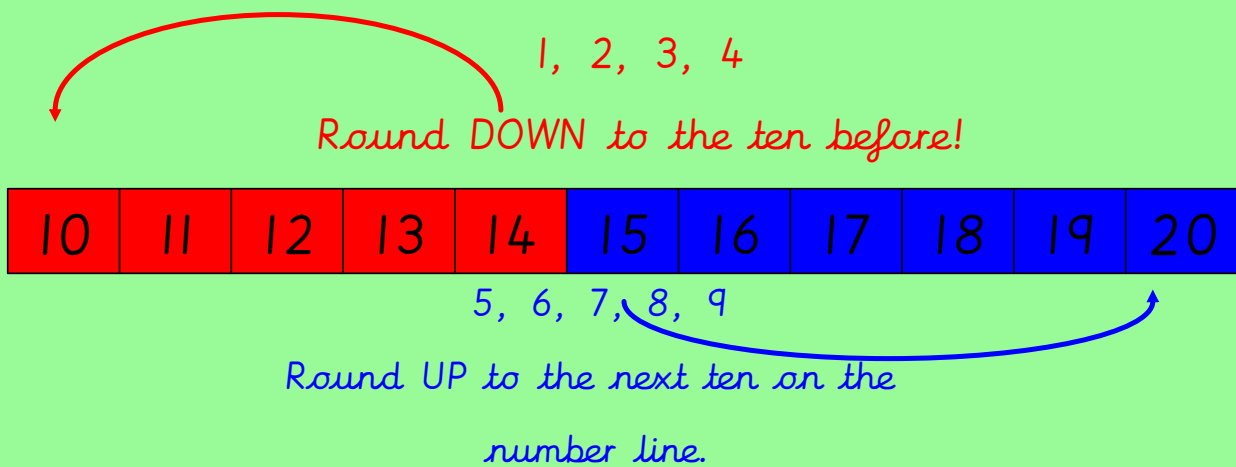


12.10.2021

L.O. use rounding to support
our estimating of numbers

When rounding to the nearest multiple of 10, we always look at the ones column.



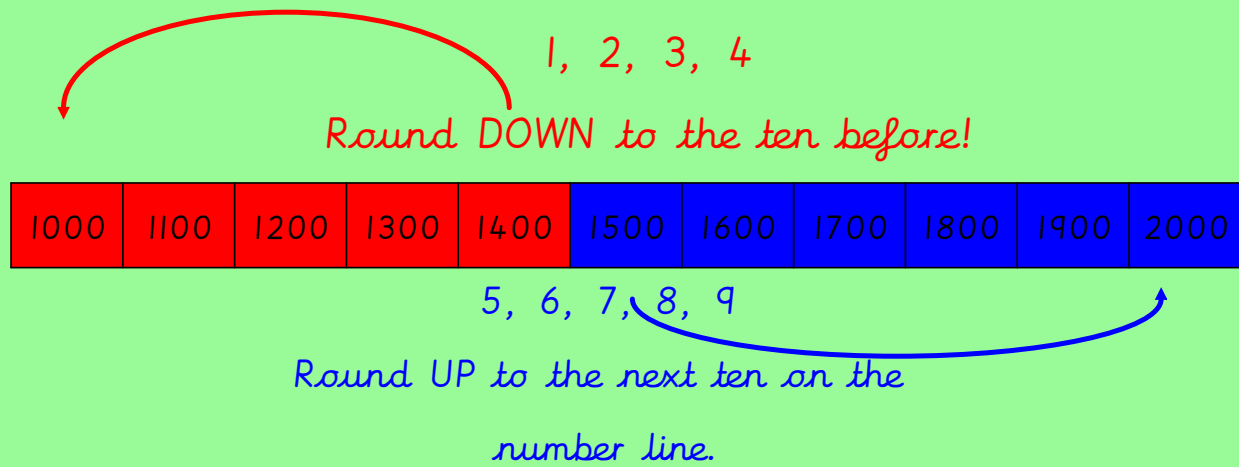
When rounding to the nearest multiple of 100, we always look at the tens column.

1, 2, 3, 4
 Round DOWN to the ten before!

100	110	120	130	140	150	160	170	180	190	200
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5, 6, 7, 8, 9
 Round UP to the next ten on the number line.

When rounding to the nearest multiple of 1000, we always look at the hundreds column.



Round $7\bar{8}$ to the nearest 10.

Round $36\bar{5}$ to the nearest 10.

Round $3\bar{6}5$ to the nearest 100.

Round $8,3\bar{9}2$ to the nearest 100.

Round $8,3\bar{9}2$ to the nearest 1,000.

Today we are going to be rounding numbers to help estimate our answers.

We use estimation when we want an approximate answer, it can often be used to solve calculations quickly e.g. adding up a few items in the shop to quickly get the total.

We won't get an exact answer when we use estimation, we will only get an approximation.

Match the calculation with a sensible estimate.

$$345 + 1,234$$

$$2,985 + 6,325$$

$$3,541 + 1,179$$

$$2,135 + 6,292$$

$$3,000 + 6,000$$

$$3,500 + 1,200$$

$$350 + 1,200$$

$$2,000 + 6,000$$

Thomas is working out $607 + 395$.

He rounds his numbers to the nearest hundred to estimate the answer.

607 rounded to the nearest hundred is

395 rounded to the nearest hundred is

Thomas' estimate for the answer is:

$$\boxed{} + \boxed{} = \boxed{}$$

Now use column addition to work out Thomas' actual answer.

		Th	H	T	O	
			6	0	7	
	+		3	9	5	
<hr/>						
<hr/>						

Alex is working out $7,958 - 6,103$.

Alex rounds her numbers to the nearest thousand to estimate the answer.

$7,958$ rounded to the nearest thousand is

$6,103$ rounded to the nearest thousand is

Alex's estimate for the answer is:

$$\boxed{} - \boxed{} = \boxed{}$$

Now use column addition to work out Alex's actual answer.

		Th	H	T	O	
		7	9	5	8	
	-	6	1	0	3	

A forest has 2,638 trees.



1,172 more trees are planted.

2,600 rounded to the nearest hundred is

1,172 rounded to the nearest hundred is

An estimate for the answer is:

$$\boxed{} + \boxed{} = \boxed{}$$

Now use column addition to work out the actual answer.

	2	6	3	8	
+	1	1	7	2	
	<hr/>				
	<hr/>				

Task:

L.O. use rounding to support our estimating of numbers 12.10.21

176 passengers board a plane to New York.

A further 294 passengers board the plane.

Round the numbers to the nearest 10 to estimate the answer.

176 rounded to the nearest 10 is _____ .

294 rounded to the nearest 10 is _____ .

An estimate for the answer is:

_____ + _____ = _____

The actual answer is: _____

