WALT round any number up to one million. WILF: Round to the nearest:

10, 100, 1000, 10 000, 100 000 and 1, 000, 000.



Click the picture for a helpful song.

Rounding helps us to find



~ U

estimated amounts, so it's an important skill to have to be able to check large calculations quickly.

Today we are working on our rounding with numbers up to one million.

Imagine your number on a number line – is it closer to 10 or 0? If it's closer to 10, you round up and increase the digit on the left by 1. You then turn the rounded digit and all those to the right to 0. If you're rounding down, the number you're looking at stays the same, then all numbers to the right turn to 0.

For example:



Find 197, 845 rounded to the nearest ten thousand.

1) Find the ten thousand column. Because you are wanting the number to the nearest **ten thousand**, it's the number to the right of that you are rounding. So, in this case, the column on the right is the **thousands**.

Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Ones
1	9	7	(4)	6	5
			Ta thia num		
			Is this number 5 or above?		
			L L		bo we round down.
1	9	7	0	Ō	0
The ten thousands will then stay the same					same

Round Numbers to 100,000.

What could the originate be? Give two possibilit	al number ies for each.	
Original Number	Rounded to the Nearest 100 000	
	100 000	
	600 000	5
	500 000	



Charmaine and Jeremiah are playing a rounding game. Charmaine says she has a number that, when rounded to the nearest 10 000 and 100 000, gives exactly the same answer. Jeremiah does not think this is possible.

Who do you agree with? Explain your answer and prove it!





Charmaine and Jeremiah are playing a rounding game. Charmaine says she has a number that, when rounded to the nearest 10 000 and 100 000, gives exactly the same answer. Jeremiah does not think this is possible.

Who do you agree with? Explain your answer and prove it!

Charmaine is correct. For example, if you take the number 899 995, rounded to the nearest 10 000 it is 900 000 and to the nearest 100 000 it is, again, 900 000.







Packs of playing cards are transported around the country in lorries. Each lorry can carry 100 000 packs of playing cards. 116 321 packs of playing cards are ready to be transported.

Frederik rounds the number of packs of playing cards to the 100 000 and says that 1 lorry will be needed.







Because there are then 116 321 packs of playing cards left over! Frederick has rounded down, instead of up. He needs 2 lorries.



5



06778Gertrude has some digit cards. Using all of
the digit cards only once, she says that she
can make two numbers that, when rounded
to the nearest 100 000, are the same number.
What could these numbers be? Can you find
three different pairs of numbers?572
0

2

572 231 and 601 786 - both round to 600 000 706 512 and 723 186 - both round to 700 000 751 260 and 816 327 - both round to 800 000





Possible answer is

A=5122

B= 7067

C = 6831

When A and B are rounded to the nearest 1000, the difference is 2000.

When B and C are rounded to the nearest 100, the difference is 300.

Now have a go at the work. See how far through the sheets you can get, but don't worry if they get too hard.

