4.11.20

WALT Round 4-digit numbers to the nearest 100

F

R

PS

Vocabulary

multiples

hundred

zero

round up

round down

half-way

digits

bigger

smaller

thousands

hundreds

tens

ones

Today, we are still looking at multiples of 100.

Starting at 1000, count in 100s.

1000 1100 1200 1300 1400

1500 1600 1700 1800 2000

What do you notice about these numbers?

And, can you remember what number is ½ of 100?

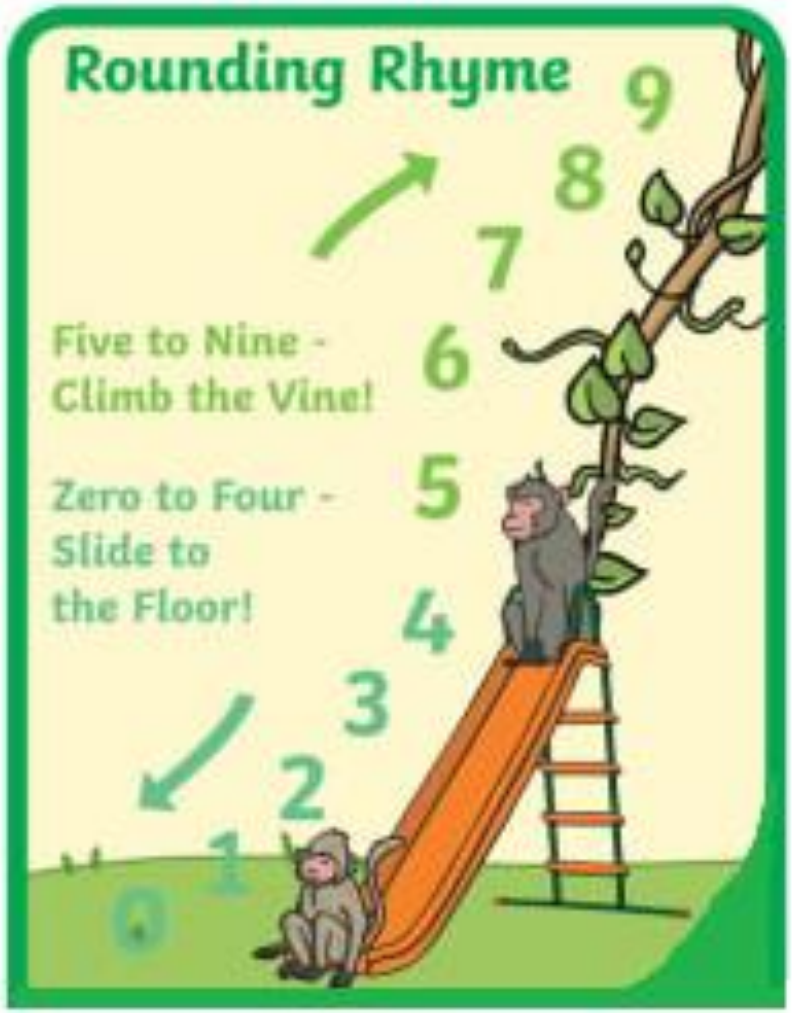
50

Remember, you can use the same rounding strategies to help you round to the nearest 100:

1. Thinking of the number's position on a 100 square and using **underline**, CIRCLE

   Remember, the rounding rhyme will help you.
2. Using a blank number line
3. Using a rounding hill or rollercoaster

Slide to the floor, climb the vine



When rounding to 100:

50 to 99 climb the vine
(5 to 9 in the TENS column)

0 to 49 slide to the floor
(0 to 4 in the TENS column)

1. Thinking of the number's position on a 100 square and underline, CIRCLE

									100
9	19	29	39	49	59	69	79	89	99
8	18	28	38	48	58	68	78	88	98
7	17	27	37	47	57	67	77	87	97
6	16	26	36	46	56	66	76	86	96
5	15	25	35	45	55	65	75	85	95
4	14	24	34	44	54	64	74	84	94
3	13	23	33	43	53	63	73	83	93
2	12	22	32	42	52	62	72	82	92
1	11	21	31	41	51	61	71	81	91
0	10	20	30	40	50	60	70	80	90

Underline the H column and circle the T column.

Look at the circled digit in the T column to help you decide whether to round up or down.

1. 743
2. 921
3. 850
4. 6259
5. 9637
6. 7268

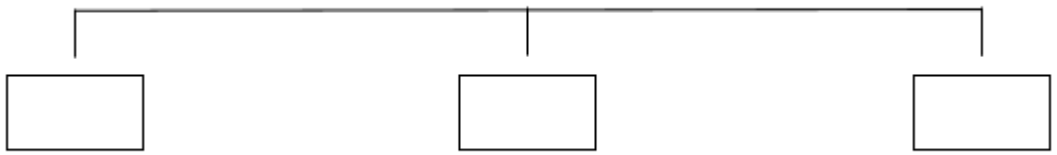
Does the hundreds column change when you round up? By how many?

2. Using a blank number line

Remember, the two end numbers will be multiples of 100 and the middle number will always end in 50.

Try these:

1. 637
2. 8637



3. Using a rounding hill or rollercoaster



Try these:

1. 854
2. 2854

What will the digits in the TO columns always be for the top number?

And what will the TO digits always be for the numbers in the valleys? Why?

Fluency

Write each number and then round it to the nearest 100.

1.



2.



3.



Fluency CONTINUED

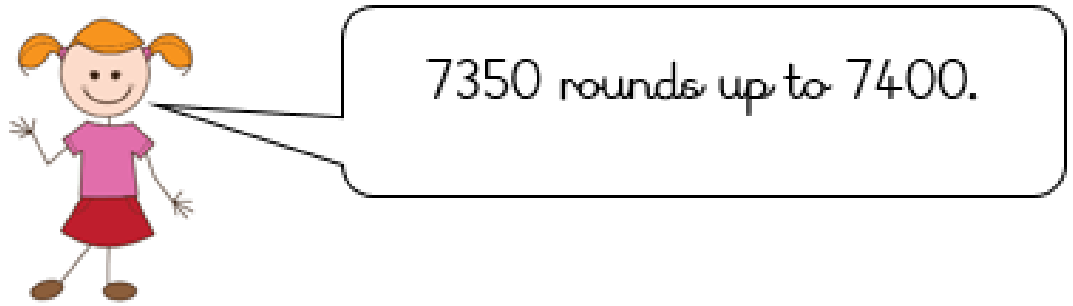
Now, copy each number and then round it to the nearest 100.

4. 9248 →
5. 7627 →
6. 1650 →
7. 2781 →
8. 3450 →
9. 8619 →

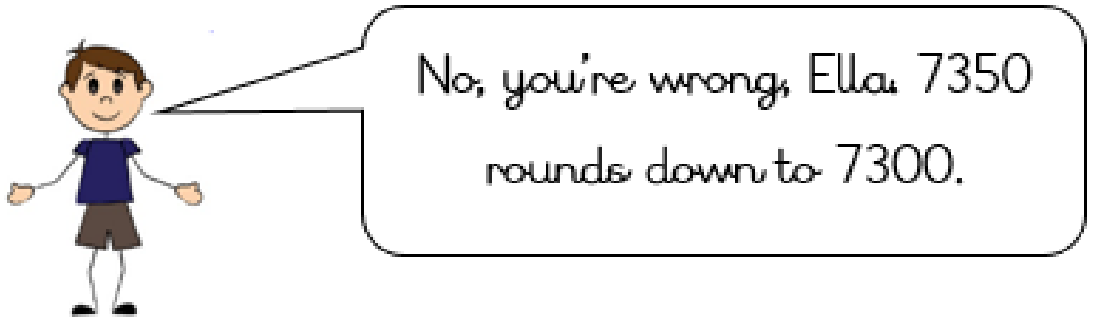
Reasoning 1

Ella and Billy are rounding numbers to the nearest 100.

Ella says:



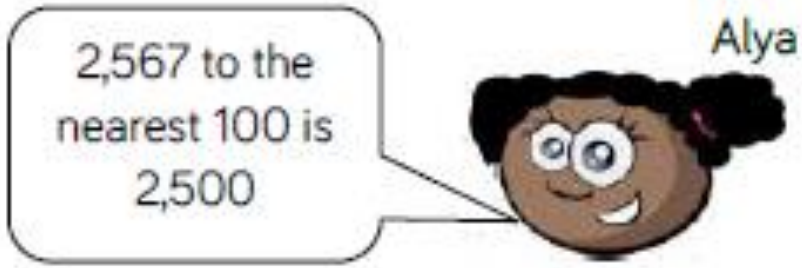
Billy disagrees with Ella. He says:



Who is correct? Use mathematical vocabulary to explain how you know.

Reasoning 2

Alya says:



Do you agree with her? Explain your reasoning.

Problem Solving

Nathan says:



My number rounded to the nearest 100 is 1,200.
Rounded to the nearest 10 it is 1,150.

What could Nathan's number be? Can you find more than one possible answer?

Explain how you know that your answers are correct.

Plenary

https://www.topmarks.co.uk/maths-games/rocket-rounding