

6.12.21

WALT Round 3-digit numbers to the nearest 100

F

R

PS

Vocabulary

multiples

hundred

zeros

round up

round down

digits

half-way

bigger

smaller

thousands

hundreds

tens

ones

Today, we are looking at multiples of 100.

Starting at 0, count in 100s up to 1000.

0 100 200 300 400 500 600 700 800 900 1000

What do you notice about these numbers?

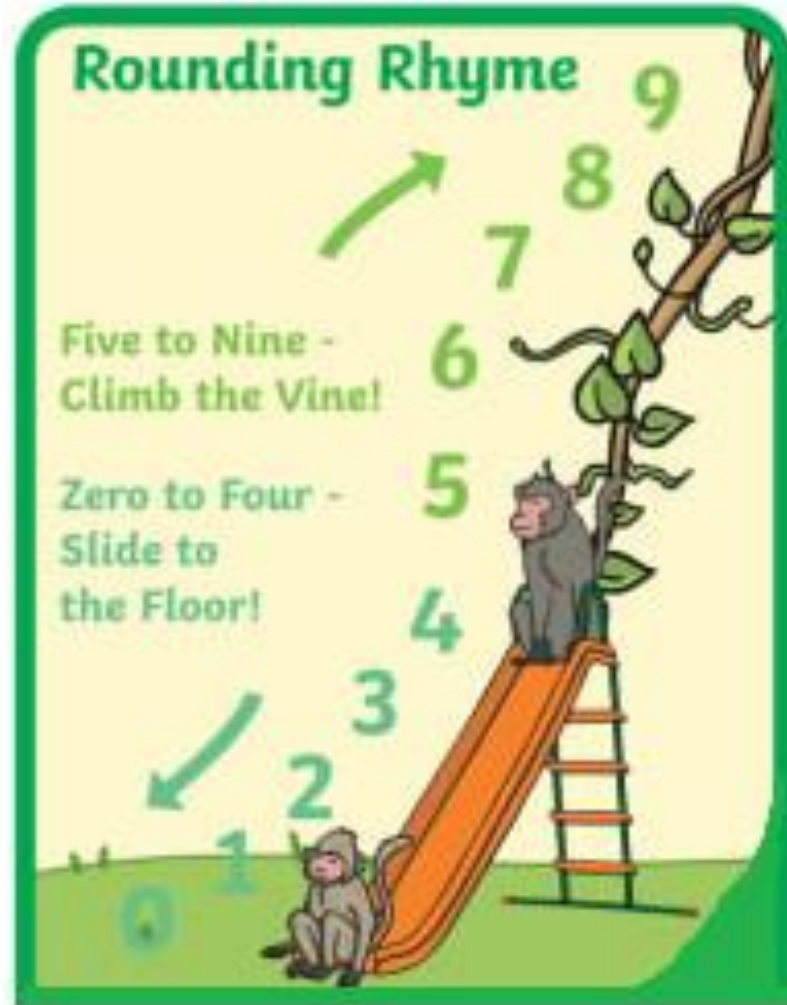
And, what number is $\frac{1}{2}$ of 100?

50

You can use the rounding strategies you already know to help you round to the nearest 100:

- Using the rounding rhyme
- Underline, CIRCLE
- Using a blank number line or rounding hill / rollercoaster

Slide to the floor, climb the vine



When rounding to 100:

5 to 9 climb the vine

0 to 4 slide to the floor

(5 to 9 and 0 to 4 in the TENS column)

so: 50 to 99 round up

0 to 49 round down

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. 362

4. 213

2. 574

5. 847

3. 150

6. 652

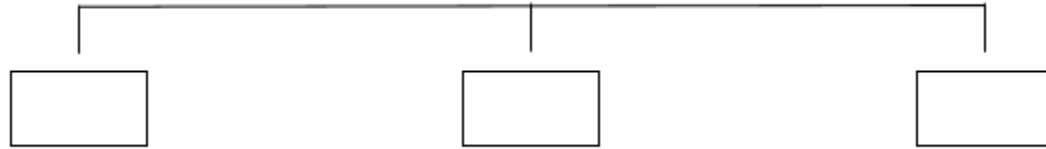
Does the H column change when you round down?

What happens to the H column when you round up?

Using a blank number line or rounding hill / rollercoaster

This time, the two end numbers will be multiples of 100.
And, the middle number will always end in 50.

Try these:



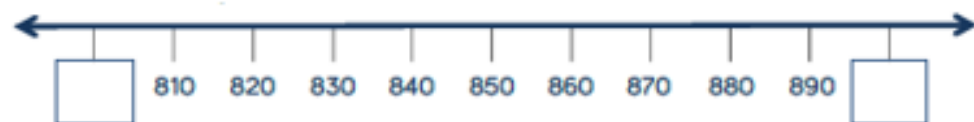
1. 423

2. 450



Fluency

Fill in the missing multiples of 100 on the rounding number line and use the number line to help you round these numbers to the nearest 100.



1. 810 →
2. 880 →
3. 850 →

Use this number line to help you round these numbers to the nearest 100.



4. 537 →
5. 555 →
6. 568 →

Round each number to the nearest 100.

7. 203 →
8. 867 →
9. 749 →
10. 681 →
11. 350 →
12. 950 →

Reasoning

Always, sometimes or never?

Decide which word is correct for each statement. Write an explanation, using a sentence starter and mathematical vocabulary.

- A number with a five in the tens column rounds up to the nearest hundred
- A number with a five in the ones column rounds up to the nearest hundred

Problem Solving 1

When a number is rounded to the nearest 100, the answer is 200.

When the same number is rounded to the nearest 10, the answer is 250.

What could the number be?

How many different answers can you find? Explain your answer using mathematical vocabulary

Problem Solving 2

Using the digit cards 0 to 9, can you make numbers that fit the following clues?

You can only use each digit once, but you don't have to use every digit card.

1. When rounded to the nearest 100, I round to 1000.
2. When rounded to the nearest 10, I round to 20.
3. When rounded to the nearest 10, I round to 10.

Can you find another way to solve this problem?

Plenary

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