

Maths Activity 1

11.01.21

WALT: add on in given values.

Adding on in 10's, 100's, 1000's, 0.1 and 0.01

+ 10

When you are adding on in 10's you need to look at the tens digit in the number. For example:

167 - the 6 in this number is in the tens column. This will be the digit that will be changing each time.

167, 177, 187, 197

The other digits in the number will almost always stay the same. The only exception is when you reach the end of counting in tens and it becomes one hundred. For example:

+ 10

167, 177, 187, 197, 207, 217, 227

This will end up changing the hundreds column as well because we have reached the end of the tens column. Once the hundreds column has been changed, we carry on counting in tens.

+ 0.1

When you are adding in 0.1 you need to look at the digit in the tenths column (after the decimal point). This will be the digit that will change each time. For example:

1.7 - the 7 in this number is in the tenths column. This will be the digit that will be changing each time.

1.7, 1.8, 1.9, 2.0, 2.1

Remember that when you get to the end of the tenths column it will become 1 whole. Once this has changed the ones column, you carry on counting in tenths.

Summary:

When you are adding on in 10's, 100's, 1000's, 0.1 and 0.01, you will need to make sure that you are only looking at the relevant column to what you are adding in. A good idea would be to draw a place value grid and write the number in it. You will then be able to see which digit will be changing each time.

Your Task:

1 star:

+ 10

- 1) 45, 55, _____, _____,
- 2) 237, 247, _____, _____
- 3) 854, 864, _____, _____,

+ 100

- 1) 360, 460, _____, _____,
- 2) 4563, 4663, _____, _____,
- 3) 2432, 2532, _____, _____,

+ 1000

- 1) 3450, 4450, _____, _____,
- 2) 2456, 3456, _____, _____,
- 3) 72430, 73430, _____, _____,

2 stars:

+ 100

- 1) 368, 468, _____, _____,
- 2) 65563, 65663, _____, _____,
- 3) 92330, 92430, _____, _____,

+ 1000

- 1) 3752, 4752, _____, _____,
- 2) 12456, 13456, _____, _____,
- 3) 78463, 79463, _____, _____,

+ 0.1

- 1) 76.4, 76.5, _____, _____,
- 2) 93.28, 93.38, _____, _____,
- 3) 63.79, 63.89, _____, _____,

Be careful with the red questions.

These will have more than one digit which will end up being changed.

3 stars:

+ 1000

1) 2368, 3368, _____, _____, _____

2) 65763, 66763, _____, _____, _____

3) 138750, 139750, _____, _____, _____

+ 0.1

1) 76.4, 76.5, _____, _____, _____

2) 93.28, 93.38, _____, _____, _____

3) 97.79, 97.89, _____, _____, _____

+ 0.01

1) 56.03, 56.04, _____, _____, _____

2) 975.32, 975.33, _____, _____, _____

3) 453.773, 453.783, _____, _____, _____