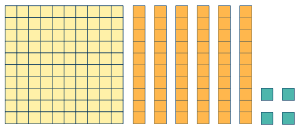
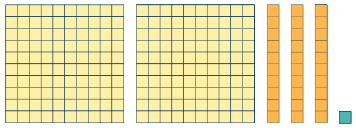
To know how to find 1, 10 or 100 more or less than a number

1 Complete the tables.

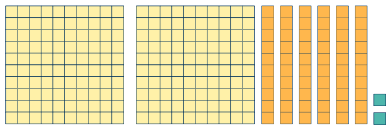
a

1 less	number	1 more
		

b

10 less	number	10 more
		

c

100 less	number	100 more
		

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2 Use a place value chart and counters to find 10 and 100 more and less than each number.

a 440 **b** 687 **c** 305

d Which numbers were hardest to find? Explain your ideas.

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3 The Mathlings are using the function machine.

a "My input is 379. What is my output?"

b "My input is 491. What is my output?"

c "My output is 254. What was my input? "

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Question Number	Question	Answer
1	a to c) Complete the tables.	a) 163 164 165 b) 221 231 241 c) 162 262 362
2	a to c) Use a place value chart and counters to find 10 and 100 more and less than each number. d) Which numbers were hardest to find? Explain your ideas.	a) 10 more than 440 = 450, 10 less than 440 = 430, 100 more than 440 = 540, 100 less than 440 = 340 b) 10 more than 687 = 697, 10 less than 687 = 677, 100 more than 687 = 787, 100 less than 687 = 587, c) 10 more than 305 = 315, 10 less than 305 = 295, 100 more than 305 = 405, 100 less than 305 = 205 d) Explanations will vary but should include reference to the need to make an exchange for some of the calculations.
3	a to c) The Mathlings are using the function machine.	a) Output = 288 (10 more than 379 = 389, 100 less than 389 = 289, 1 less than 289 = 288) b) Output = 400 (10 more than 491 = 501, 100 less than 501 = 401, 1 less than 401 = 400) c) Input = 345 (1 less than 255 = 254, 100 less than 355 = 255, 10 more than 345 = 355)