To know how to find 10, 100, 1,000, 10,000 and 100,000 more or less than a number

1 Complete the sequences and state what the rule is.

a 3,495 4,495 ____ 6,495 ____

b 90 ____ 290 390 ____

c 7,200 7,100 ____ 6,900 ____

Identify and explain the mistake in these sequences.

d 7,808 8,808 9,908 10,808 11,808

e 14,540 15,540 16,540 18,540 19,540

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100,000	200,000	300,000	400,000	500,000	600,000	700,000	800,000	900,000
10,000	20,000	30,000	40,000	50,000	60,000	70,000	80,000	90,000
1,000	2,000	3,000	4,000	5,000	6,000	7,000	8,000	9,000
100	200	300	400	500	600	700	800	900
10	20	30	40	50	60	70	80	90
1	2	3	4	5	6	7	8	9

a What number does the Gattegno chart show?

For each number below, which card (or cards) would you need to use to change the original number?

+ 10   + 100   + 1,000   + 10,000   - 10   - 100   - 1,000   - 10,000

b 75,280   c 86,180   d 76,370

e 67,190   f 76,180

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3 **a** Here is a sequence: 4,808,   5,808,   6,808,   7,808,   8,808

Ollie says the 10th term will be 17,616 because you need to double the 5th term. Is he correct? Explain your answer.

b Ryan starts his sequence at 2,032. The rule for his sequence is +100. What will the 8th number in his sequence be?

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Question Number	Question	Answer
1	a to c) Complete the sequences and state what the rule is. d and e) Identify and explain the mistake in these sequences.	a) 5,495 7,495 Rule: + 1,000 b) 190, 490 Rule: +100 c) 7,000 6,800 Rule - 100 d) 9,908 should be 9,808 - they have added 100 instead of 1,000. e) 17,540 is missing.
2	a) What number does the Gattegno chart show? b to f) For each number below, which card (or cards) would you need to use to change the original number?	a) 76,280 b) -1,000 c) +10,000 -100 d) +100 -10 e) -10,000 +1,000 -100 +10 f) -100
3	a) Ollie says the 10th term will be 17,616 because you need to double the 5th term. Is he correct? Explain your answer. b) Ryan starts his sequence at 2,032. The rule for his sequence is +100. What will the 8th number in his sequence be?	a) Ollie is not correct. The sequence is going up in 1,000s so he would need to add 5,000 to the 5th term instead of doubling it. b) The 10th term will be 13,808 2,732