To know how to represent numbers to 100

1 **a** Make the number 73 in at least 3 different ways.

Complete the number sentences for each number.
There are ..... tens. There are ..... ones.

b 84

c 20

Use lines and dots to draw each number.

d 36

e 62

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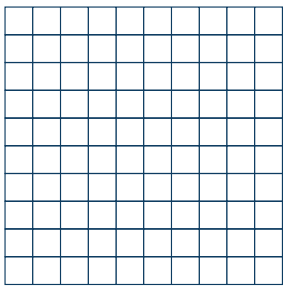
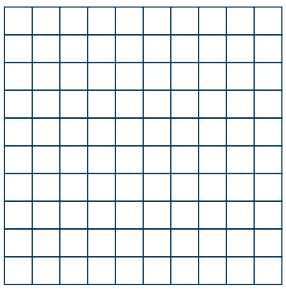
2 Shade the 100 squares to show:

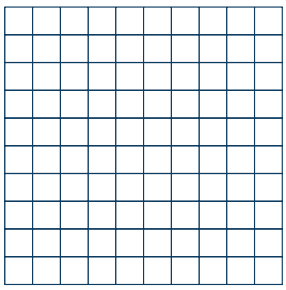
a 51



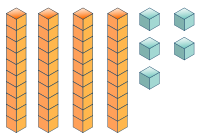
b 65

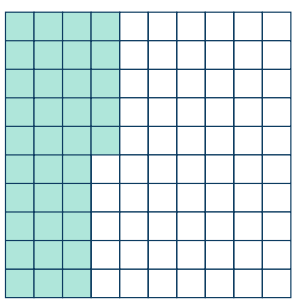


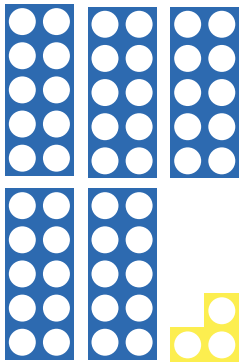
c 38



d Which picture does not show 35?
Explain how you know.







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3 Here are three digit cards

a Write the greatest number you can make.

b Write the smallest number you can make.

c List all the 2-digit number you can make with these cards.
Complete the sentences for each 2-digit number you have made.
There are ..... tens.
There are ..... ones.

d Predict: Will you be able to make more, the same, or fewer 2-digit numbers with the cards below.
Explain your answer.

To know how to represent numbers to 100

Question Number	Question	Answer
1	a) Make the number 73 in at least 4 different ways. b to d) Complete the number sentences for each number. e to g) Use lines and dots to draw each number.	a) Answers will vary. Encourage pupils to use a range of resources from concrete to pictorial. Also encourage the use of abstract with words. b) There are 8 tens. There are 4 ones. c) There are 2 tens. There are 0 ones. d) 3 lines and 6 dots e) 6 lines and 2 dots
2	a to c) Shade the 100 squares to show the numbers. d) Which picture does not show 35?	a) 5 rows or columns and 1 cell shaded. b) 6 rows or columns and 5 cells shaded. c) 3 rows or columns and 8 cells shaded. Accept other shading patterns where 51, 38 and 65 cells are shaded but discuss the most efficient way of shading the hundred square with the pupil. d) The number shapes do not show 35, it shows 53. 35 has 3 tens and 5 ones. 53 has 5 tens and 3 ones.
3	a to c) Using the digit cards to make numbers. d) Predict: Will you be able to make more, the same, or fewer 2-digit numbers with the cards below.	a) Largest number is 84 b) Smallest number is 4 c) 80, 84, 40, 48. There are 8 tens and 0 ones, there are 8 tens and 4 ones, there are 4 tens and 0 ones, there are 4 tens and 8 ones. d) You will be able to make more 2-digit numbers because all the numbers can be used in the tens position as there is no 0 on the cards this time. 40, 48, 80, 84