To understand how to partition numbers to 10,000

1 Complete the sentence stem for these numbers. There are thousands, hundreds, tens and ones. The number is + + + = 4.444 c 5,627 7,265 b а 9,004 4,090 d e 2 Draw part-whole models to show these numbers. c 7,548 7,584 7,854 b а d 8,457 8,754 e f Create at least four 4-digit numbers where there are 4 hundreds and the digit total is 16. For example: 8,404 has 4 hundreds and a digit total of 16. 3 Show at least 4 different ways to make these numbers: c 8,205 5,280 2,085 b а 2,805 What do you notice about these numbers? d e

To understand how to partition numbers to 10,000

Question Number	Question	Answer
1	a to e) Complete the sentence stem for these numbers.	a) There are 7 thousands, 2 hundreds, 6 tens and 5 ones. The number is 7,265. 7,000 + 200 + 60 + 5 = 7,265 b) There are 4 thousands, 4 hundreds, 4 tens and 4 ones. The number is 4,444. 4,000 + 400 + 40 + 4 = 4,444 c) There are 5 thousands, 6 hundreds, 2 tens and 7 ones. The number is 5,627. 5,000 + 600 + 20 + 7 = 5,627 d) There are 9 thousands, 0 hundreds, 0 tens and 4 ones. The number is 9,004. 9,000 + 4 = 9,004 e) There are 4 thousands, 0 hundreds, 9 tens and 0 ones. The number is 4,090. 4,000 + 90 = 4,090
2	a to e) Draw part-whole models to show these numbers. f) Create at least four 4-digit numbers where there are 4 hundreds and the digit total is 16.	 a to e) The questions should show accurate examples of part- whole models that reflect the numbers given. f) There are multiple solutions. The pupil must ensure that their answers meet the criteria. Example answers: 4,444, 1,492, 4,408, 2,455
3	a to d) Show at least 4 different ways to make these numbers e) What do you notice about these numbers?	Accept answers where representations are accurate. Pupils may identify that the digits are all the same but the value changes depending on where they are placed in the number.