Test answers - Place value to 1000

Year: Year 3 · Duration: 30 minutes · /20

Answer to Question 1 (4 marks)

a. In 594 the 9 is in the tens column, so it stands for 9 tens. Its value is **90**. (1 mark)
b. 594 has 5 hundreds, 9 tens and 4 ones: **500 + 90 + 4**. (1 mark)
c. Say the hundreds, then "and", then the tens and ones: **five hundred and ninety-four**. (1 mark)
d. 100 more adds 1 to the hundreds digit and leaves the tens and ones: 594 becomes **694**. (1 mark)

Answer to Question 2 (4 marks)

a. 7 hundreds, 0 tens and 6 ones: the zero holds the tens place, so the number is **706**. (1 mark)
b. Say the hundreds and the ones; the zero tens are not said: **seven hundred and six**. (1 mark)
c. 10 more adds 1 to the tens digit, which changes from 0 to 1: **716**. (1 mark)
d. Both have 7 hundreds. Compare the tens: 706 has 0 tens and 760 has 6 tens. So **706 < 760**. (1 mark)

Answer to Question 3 (4 marks)

a. Two numbers have 3 hundreds (346, 364) and two have 4 hundreds (436, 463). Order each pair by the tens: **346, 364, 436, 463**. (2 marks: 1 for comparing hundreds, 1 for the full order)
b. Find each distance from 450: 463 is 13 above, 436 is 14 below, 364 is 86 below and 346 is 104 below. The smallest distance is 13, so **463** is closest. (2 marks: 1 for the distances, 1 for 463)

Answer to Question 4 (4 marks)

a. Counting in 50s adds 50 each time: 250 + 50 = 300, then **300, 350, 400**. (1 mark)
b. Counting in 4s from 0: **4, 8, 12, 16, 20, 24**. These are the first six numbers of the 4 times table. (2 marks: all six correct; 1 mark for four or five)
c. Counting in 8s: 8, 16, 24, 32, 40, 48. The sixth number is **48**, which is 6 × 8. It is also double the sixth number of the 4s count, 24. (1 mark)

Answer to Question 5 (4 marks)

a. 3 packs of 100 = 300, 5 bundles of 10 = 50, plus 2 singles: 300 + 50 + 2 = **352** leaflets. (1 mark)
b. 100 more adds 1 to the hundreds digit: 352 + 100 = **452**. (1 mark)
c. 10 fewer takes 1 from the tens digit: 452 − 10 = **442**. (1 mark)
d. **Yes.** Halfway between 400 and 500 is 450. 442 is below 450, so it is nearer 400 (42 away) than 500 (58 away). (1 mark)