Test answers - Place value to 10 000 and Roman numerals

Year: Year 4 · Duration: 40 minutes · /20

Answer to Question 1 (4 marks)

a. Say the thousands, then the hundreds, then "and" before the ones. The tens digit is 0, so no tens are said: **seven thousand, three hundred and four** (1 mark).
b. The 3 is in the hundreds column, so its value is **300** (1 mark).
c. 7 thousands, 3 hundreds, 0 tens and 4 ones: **7000 + 300 + 0 + 4** = 7 304. The zero tens can be left out of the sum (1 mark).
d. 1000 less takes 1 from the thousands digit and leaves the other digits: **6 304** (1 mark).

Answer to Question 2 (4 marks)

a. 4 852 has 4 thousands so it is the smallest. Compare hundreds of the others: 5 842 (8), 5 482 (4), 5 428 (4); 5 482 has 8 tens and 5 428 has 2 tens. Largest first: **5 842, 5 482, 5 428, 4 852** (2 marks).
b. The tens digit is 8, so round up: **5 500** (1 mark).
c. The hundreds digit is 4, so round down: **5 000** (1 mark).

Answer to Question 3 (4 marks)

a. XIV = 10 + 4 = **14**; XLIX = 40 + 9 = **49** (2 marks).
b. 38 = XXX + VIII = **XXXVIII** (1 mark).
c. No. I can only be taken away from V or X, so 99 = XC + IX = **XCIX** (1 mark).

Answer to Question 4 (4 marks)

a. Counting in 25s adds 25 each time: **25, 50, 75, 100, 125, 150**. Every fourth number is a multiple of 100 (2 marks: all six correct; 1 mark for four or five).
b. 4 trays of 25 make 100, so 8 trays are double that: **200** cakes. Also 8 × 25 = 200 (1 mark).
c. Each 100 cakes fill 4 trays. 300 cakes is 3 hundreds, so 3 × 4 = **12** full trays. Check: 12 × 25 = 300 (1 mark).

Answer to Question 5 (4 marks)

a. **Screen 2** sold the most (2 405) (1 mark).
b. 1 862 → 1 900; 2 405 → 2 400; 1 938 → 1 900 (1 mark).
c. 1 900 + 2 400 + 1 900 = **6 200** (1 mark).
d. 1 862 + 2 405 + 1 938 = 6 205, which is more than 6 000, so she is **right** (1 mark).