Test answers - Place value to 1 000 000

Year: Year 5 · Duration: 40 minutes · /20

Answer to Question 1 (4 marks)

(a) 706,040 is 706 thousand and 40: **seven hundred and six thousand and forty**. (1 mark)

(b) 409 thousand is 409,000; add eighty-five: **409,085** (the zero holds the hundreds place). (1 mark)

(c) Reading from the right, 372,614 has 4 ones, 1 ten, 6 hundreds, 2 thousands and 7 ten-thousands. The 7 is worth **70,000**. (1 mark)

(d) 56,832 has only five digits so it is smallest; then compare the others digit by digit. Answer: **56,832; 568,023; 568,320; 586,320**. (1 mark)

Answer to Question 2 (4 marks)

(a) Look at the ones digit, 3: it is less than 5, so round down to **746,850**. (1 mark)

(b) Look at the hundreds digit, 8: round up to **747,000**. (1 mark)

(c) Look at the ten-thousands digit, 4: round down to **700,000**. (1 mark)

(d) Numbers from 25,000 to 34,999 round to 30,000; 35,000 would round up to 40,000. Answer: **34,999**. (1 mark)

Answer to Question 3 (4 marks)

(a) The sequence goes up by 100,000 each time: **420,000; 520,000**. (1 mark)

(b) Take one from the ten-thousands digit: 306,500 − 10,000 = **296,500**. (1 mark)

(c) Count up 7 degrees to reach 0°C, then 4 more: −7 + 11 = **4°C**. (1 mark)

(d) −9 is further below zero than −2, so **−9°C is colder**. (1 mark)

Answer to Question 4 (3 marks)

(a) 2,000 = MM, 10 = X and 9 = IX. Together: **MMXIX**. (1 mark)

(b) XC means 100 − 10 = 90 and IV means 5 − 1 = 4: 90 + 4 = **94**. (1 mark)

(c) M = 1,000, CM = 900, LXXX = 80 and IV = 4: 1,000 + 900 + 80 + 4 = **1984**. (1 mark)

Answer to Question 5 (5 marks)

(a) **Oakfield**, £250,000. (1 mark)

(b) Both have 184,xxx, so compare the hundreds: 3 is less than 5, so 184,350 <

184,530. **Lake Park raised less than Seaview.** (2 marks)

(c) 96,725 → **£100,000** (the thousands digit is 6). (1 mark)

(d) Total = 184,350 + 96,725 + 184,530 + 250,000 = 715,605. This is less than 750,000 by 34,395, so **no, they did not reach the target**. (1 mark)