1.4 Place Value and Number Depth: 30-minute Pack

National Curriculum (2014) Mathematics - KS2 Number: Place Value to 10,000,000, Rounding, Negative Numbers, Powers of 10 · Calculators not allowed · about 30 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Write each number in words.

(a) 2,300,050 **(1)**

(b) 6,008,400 **(1)**

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2 Write the number that is 10,000 more than 3,456,789.

(1)

---

3 What is 100 less than 742,943?

Answer: ___

(1)

---

4 What is 1,000 more than 305,582?

Answer: ___

(1)

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5 What is 100 more than 413,573?

Answer: ___

(1)

---

6 Complete the partition.

4,253 = 4,000 + 200 + ___ + 3

Answer: ___

(1)

---

7 Round 631,322 to the nearest ten.

Answer: ___

(1)

---

8 Complete the partition.

345,761 = 300,000 + 40,000 + ___ + 700 + 60 + 1

Answer: ___

(1)

---

9 Write the Roman numeral DCXLIX as a number.

Answer: ___

(1)

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10 What is the value of the digit 9 in 7,956?

Answer: ___

(1)

---

11 Find the missing number in this sequence.

9,716, 9,816, ___, 10,016, 10,116, 10,216

Answer: ___

(1)

---

12 What is the value of the digit 1 in 964,173?

Answer: ___

(1)

---

13 Write these numbers in order, starting with the smallest.

533,194, 517,635, 535,203, 491,428

Answer: ___

(1)

---

14 Use each of the digits 2, 5, 6, 7 once to make the smallest possible 4-digit number.

Answer: ___

(2)

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15 A car park has 79,721 spaces. 19,553 spaces are full and 895 are reserved.

How many spaces are free?

Answer: ___

(2)

---

16 On Monday the temperature was -13 degrees. On Tuesday it was 4 degrees.

What is the difference between the two temperatures?

Answer: ___ degrees

(1)

---

17 Estimate 4,846 - 4,211 by rounding each number to the nearest 1,000 first.

Answer: ___

(2)

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18 3,742 x 1,000 =

Answer: ___

(1)

---

19 Here are four numbers written in different ways: A is 2 million + 400, B is 2,040,000, C is 2 million + 4 thousand and D is 2 million + 4 hundred thousand. Write the letters in order, starting with the smallest number.

(2)

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Mark scheme · 1.4 Place Value and Number Depth: 30-minute Pack

A correct answer earns full marks unless the question asks for working, a method, proof or explanation.

Question 1

(a) two million, three hundred thousand and fifty oe (accept without 'and') **B1**

(a) Answer: **two million, three hundred thousand and fifty**

(b) six million, eight thousand, four hundred oe **B1**

(b) Answer: **six million, eight thousand, four hundred**

Question 2

3,466,789 cao **B1**

Answer: **3,466,789**

Question 3

742,843 cao **B1**

Answer: **742,843**

Question 4

306,582 cao **B1**

Answer: **306,582**

Question 5

413,673 cao **B1**

Answer: **413,673**

Question 6

50 cao **B1**

Answer: **50**

Question 7

631,320 cao **B1**

Answer: **631,320**

Question 8

5,000 cao **B1**

Answer: **5,000**

Question 9

649 cao **B1**

Answer: **649**

Question 10

900 cao **B1**

Answer: **900**

Question 11

9,916 cao **B1**

Answer: **9,916**

Question 12

100 cao **B1**

Answer: **100**

Question 13

491,428, 517,635, 533,194, 535,203 cao **B1**

Answer: **491,428, 517,635, 533,194, 535,203**

Question 14

digits placed in value order **M1**

2,567 cao **A1**

Answer: **2,567**

Question 15

20,448 seen **M1**

59,273 cao **A1**

Answer: **59,273**

Question 16

17 degrees cao **B1**

Answer: **17 degrees**

Question 17

5,000 and 4,000 seen **M1**

1,000 cao **A1**

Answer: **1,000**

Question 18

3,742,000 cao **B1**

Answer: **3,742,000**

Question 19

writes at least three of the four numbers correctly as figures (2,000,400; 2,040,000; 2,004,000; 2,400,000) or compares them correctly by place value **M1**

A, C, B, D cao, all four in the correct order **A1**

Answer: **A, C, B, D**

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