1.4 Place Value and Number Depth: 1-hour Pack

National Curriculum (2014) Mathematics - KS2 Number: Place Value to 10,000,000, Rounding, Negative Numbers, Powers of 10 · Calculators not allowed · about 60 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 What is the value of the digit 4 in 521,834?

Answer: ___

(1)

2 What is the value of the digit 9 in 508,912?

Answer: ___

(1)

3 Write these numbers in order, starting with the largest.

733,190, 677,416, 696,453, 690,623

Answer: ___

(1)

4 Find the missing number in this sequence.

3,657, 13,657, 23,657, 33,657, ___, 53,657

Answer: ___

(1)

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5 Write 443 as a Roman numeral.

Answer: ___

(1)

---

6 Round 369,979 to the nearest ten.

Answer: ___

(1)

---

7 Round 5,255 to the nearest hundred.

Answer: ___

(1)

---

8 What is 1,000 more than 165,876?

Answer: ___

(1)

---

9 Write these numbers in order, starting with the largest.

679,789, 732,916, 700,196, 698,318

Answer: ___

(1)

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10 45 x ___ = 4500

Answer: ___

(1)

---

11 What is the value of the digit 9 in 3,894?

Answer: ___

(1)

---

12 Round 2,581 to the nearest hundred.

Answer: ___

(1)

---

13 Write <, > or = in the box.

41,191 [ ] 41,506

Answer: ___

(1)

---

14 What is 100 less than 934,029?

Answer: ___

(1)

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15 Write the number nine hundred and thirty thousand eight hundred in digits.

Answer: ___

(1)

---

16 Write <, > or = in the box.

16,480 [ ] 16,480

Answer: ___

(1)

---

17 The temperature in Warsaw at 6 am is -2 degrees. By noon it has risen by 11 degrees.

What is the temperature at noon?

Answer: ___ degrees

(1)

---

18 Write 66,819 in words.

Answer: ___

(1)

---

19 Round 9,195 to the nearest hundred.

Answer: ___

(1)

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20 Write 767 as a Roman numeral.

Answer: ___

(1)

---

21 Complete the partition.

7,991 = 7,000 + ___ + 90 + 1

Answer: ___

(1)

---

22 Write the number sixty-five thousand seven hundred in digits.

Answer: ___

(1)

---

23 Use each of the digits 6, 7, 2, 3 once to make the largest possible 4-digit number.

Answer: ___

(2)

---

24 Find the missing number in this sequence.

4,740, 4,840, 4,940, 5,040, ___, 5,240

Answer: ___

(1)

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25 Write <, > or = in the box.

35,523 [ ] 35,596

Answer: ___

(1)

---

26 What is the value of the digit 1 in 178,469?

Answer: ___

(1)

---

27 What is the value of the digit 5 in 2,375?

Answer: ___

(1)

---

28 What is 10 more than 226,691?

Answer: ___

(1)

---

29 Round 2,559 to the nearest ten.

Answer: ___

(1)

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30 A number line starts at 0 and goes up in equal steps of 100,000. An arrow points to the 6th mark after the start.

What number does the arrow show?

Answer: ___

(1)

---

31 A number line starts at 200,000 and goes up in equal steps of 100,000. An arrow points to the 1st mark after the start.

What number does the arrow show?

Answer: ___

(1)

---

32 Write <, > or = in the box.

99,239 [ ] 99,552

Answer: ___

(1)

---

33 Write the number five hundred and seventy-six thousand one hundred and forty-nine in digits.

Answer: ___

(1)

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34 What is 10,000 more than 476,102?

Answer: ___

(1)

---

35 A date on a monument is written MMXXXV. What year is that?

Answer: ___

(1)

---

36 Find the missing number in this sequence.

851, 842, 833, 824, ___, 806

Answer: ___

(1)

---

37 Write the number three hundred and eighty-seven thousand five hundred and fifty-five in digits.

Answer: ___

(1)

---

38 A number line starts at 100 and goes up in equal steps of 50. An arrow points to the 6th mark after the start.

What number does the arrow show?

Answer: ___

(1)

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39 Write the number four hundred and twenty-nine thousand five hundred in digits.

Answer: ___

(1)

---

40 What is the value of the digit 8 in 821,536?

Answer: ___

(1)

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41 A lift in a shopping centre stops at every floor from -3 (the car park) up to 5 (the roof terrace).

(a) Neha gets in the lift at floor -2 and travels up 6 floors. Which floor does she arrive at? **(1)**

.....

(b) How many floors does the lift stop at altogether, including floor 0? **(1)**

.....

(c) Ibrahim is at floor -3 and travels to floor 5. How many floors upward does he travel? **(1)**

.....

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42 The table shows the number of visitors to four fictional UK attractions in one year: Bramble Adventure Park 1,847,203; Thornbury Fun Fair 1,847,320; Oakenshaw Wonderland 1,748,320; Millfield Gardens 1,784,203.

(a) Order the four attractions from fewest to most visitors. **(2)**

(b) How many more visitors did Thornbury Fun Fair have than Bramble Adventure Park? **(1)**

.....

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Mark scheme · 1.4 Place Value and Number Depth: 1-hour Pack

Question 1

4 cao — **B1**

Answer: **4**

Question 2

900 cao — **B1**

Answer: **900**

Question 3

733,190, 696,453, 690,623, 677,416 cao — **B1**

Answer: **733,190, 696,453, 690,623, 677,416**

Question 4

43,657 cao — **B1**

Answer: **43,657**

Question 5

CDXLIII cao — **B1**

Answer: **CDXLIII**

Question 6

369,980 cao — **B1**

Answer: **369,980**

Question 7

5,300 cao — **B1**

Answer: **5,300**

Question 8

166,876 cao — **B1**

Answer: **166,876**

Question 9

732,916, 700,196, 698,318, 679,789 cao — **B1**

Answer: **732,916, 700,196, 698,318, 679,789**

Question 10

100 cao — **B1**

Answer: **100**

Question 11

90 cao — **B1**

Answer: **90**

Question 12

2,600 cao — **B1**

Answer: **2,600**

Question 13

< cao — **B1**

Answer: **<**

Question 14

933,929 cao — **B1**

Answer: **933,929**

Question 15

930,800 cao — **B1**

Answer: **930,800**

Question 16

= cao — **B1**

Answer: **=**

Question 17

9 degrees cao — **B1**

Answer: **9 degrees**

Question 18

sixty-six thousand eight hundred and nineteen cao — **B1**

Answer: **sixty-six thousand eight hundred and nineteen**

Question 19

9,200 cao — **B1**

Answer: **9,200**

Question 20

DCCLXVII cao — **B1**

Answer: **DCCLXVII**

Question 21

900 cao — **B1**

Answer: **900**

Question 22

65,700 cao — **B1**

Answer: **65,700**

Question 23

digits placed in value order — **M1**

7,632 cao — **A1**

Answer: **7,632**

Question 24

5,140 cao — **B1**

Answer: **5,140**

Question 25

< cao — **B1**

Answer: **<**

Question 26

100,000 cao — **B1**

Answer: **100,000**

Question 27

5 cao — **B1**

Answer: **5**

Question 28

226,701 cao — **B1**

Answer: **226,701**

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Question 29

2,560 cao **B1**

Answer: **2,560**

Question 30

600,000 cao **B1**

Answer: **600,000**

Question 31

300,000 cao **B1**

Answer: **300,000**

Question 32

< cao **B1**

Answer: **<**

Question 33

576,149 cao **B1**

Answer: **576,149**

Question 34

486,102 cao **B1**

Answer: **486,102**

Question 35

2035 cao **B1**

Answer: **2035**

Question 36

815 cao **B1**

Answer: **815**

Question 37

387,555 cao **B1**

Answer: **387,555**

Question 38

400 cao **B1**

Answer: **400**

Question 39

429,500 cao **B1**

Answer: **429,500**

Question 40

800,000 cao **B1**

Answer: **800,000**

Question 41

(a) floor 4 cao **B1**

(a) Answer: **Floor 4**

(b) 9 cao **B1**

(b) Answer: **9 floors**

(c) 8 cao **B1**

(c) Answer: **8 floors**

Question 42

(a) correctly compares hundred-thousands and ten-thousands digits to place at least 3 of the 4 attractions correctly **M1**

(a) Oakenshaw Wonderland, Millfield Gardens, Bramble Adventure Park, Thornbury Fun Fair cao, all four correct **A1**

(a) Answer: **Oakenshaw Wonderland (1,748,320), Millfield Gardens (1,784,203), Bramble Adventure Park (1,847,203), Thornbury Fun Fair (1,847,320)**

(b) 117 cao **B1**

(b) Answer: **117**

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