1.9 Place Value to 1000000 and Negative Numbers: 2-hour Pack

Calculators not allowed · about 120 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Round 902,108 to the nearest ten.

Answer: ___

(1)

---

2 Round 268,591 to the nearest ten thousand.

Answer: ___

(1)

---

3 Write 791 as a Roman numeral.

Answer: ___

(1)

---

4 What number is exactly halfway between -12 and 2?

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

5 The temperature in Oslo at 6 am is -6 degrees. By noon it has risen by 9 degrees.

What is the temperature at noon?

Answer: ___ degrees

(1)

---

6 Round 705,696 to the nearest ten thousand.

Answer: ___

(1)

---

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

984,903, 988,257, 973,774, 974,567

Answer: ___

(1)

---

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

685,614, 683,278, 635,032, 656,147

Answer: ___

(1)

---

9 Write the Roman numeral CCCLXXVII as a number.

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

10 Round 150,290 to the nearest ten thousand.

Answer: ___

(1)

---

11 688.1 x 1,000 =

Answer: ___

(1)

---

12 A date on a monument is written MCCCLVIII. What year is that?

Answer: ___

(1)

---

13 Round 838,547 to the nearest ten thousand.

Answer: ___

(1)

---

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

361,224, 320,052, 345,817, 339,467

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

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

437,435, 395,713, 439,021, 415,235

Answer: ___

(1)

---

16 Write 709,045 in words.

(1)

---

17 Start at 340,000 and count on in steps of 100,000. Write the next three numbers in the sequence.

(2)

---

18 Write < or > between these numbers: 583,204 ___ 583,240

(1)

---

19 Round 2,346,718 to the nearest 100,000.

(2)

---

20 In the number 4,672,910 what is the value of the digit 7?

(1)

© Revision Library | revisionlibrary.co.uk

21 A lift is at floor -3 (three floors below ground level). It travels up 11 floors. What floor does it end on?

(2)

---

22 Noah says that when you round 2,449,999 to the nearest 100,000 you get 2,500,000. Explain whether Noah is correct and show your working.

(3)

---

23 Complete the partition.

296,984 = 200,000 + 90,000 + ___ + 900 + 80 + 4

Answer: ___

(1)

---

24 What is 1,000 more than 253,489? What is 10,000 less than your answer?

(2)

---

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

389,631, 365,363, 360,047, 384,728

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

26 Write the number one hundred and eighty-five thousand nine hundred and twenty-seven in digits.

Answer: ___

(1)

---

27 What is the value of the digit 1 in 201,648?

Answer: ___

(1)

---

28 Write 128,400 in words.

Answer: ___

(1)

---

29 What is 11 less than -6?

Answer: ___

(1)

---

30 Write 193,403 in words.

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

31 Write the Roman numeral CDXCIV as a number.

Answer: ___

(1)

---

32 Write 21 as a Roman numeral.

Answer: ___

(1)

---

33 Complete the partition.

592,119 = 500,000 + 90,000 + 2,000 + ___ + 10 + 9

Answer: ___

(1)

---

34 A thermometer shows -3 degrees at 7 am and 5 degrees at 2 pm. By how many degrees did the temperature rise?

(2)

---

35 A number line starts at 0 and goes up in equal steps of 10,000. An arrow points to the 6th mark after the start.

What number does the arrow show?

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

36 Write 599,221 in words.

Answer: ___

(1)

---

37 What is the value of the digit 9 in 324,896?

Answer: ___

(1)

---

38 What is 1,000 more than 524,209?

Answer: ___

(1)

---

39 A date on a monument is written MCCCLXXXVI. What year is that?

Answer: ___

(1)

---

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

605,279, 574,660, 592,088, 577,902

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

41 Write the Roman numeral CCCLII as a number.

Answer: ___

(1)

---

42 A number line starts at 500 and goes up in equal steps of 500. An arrow points to the 4th mark after the start.

What number does the arrow show?

Answer: ___

(1)

---

43 A number line starts at 20 and goes up in equal steps of 10. An arrow points to the 2nd mark after the start.

What number does the arrow show?

Answer: ___

(1)

---

44 What is the value of the digit 3 in 273,654?

Answer: ___

(1)

---

45 A date on a monument is written MCCXXV. What year is that?

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

46 Write 382,400 in words.

Answer: ___

(1)

---

47 A date on a monument is written MCDI. What year is that?

Answer: ___

(1)

---

48 A date on a monument is written MDXXV. What year is that?

Answer: ___

(1)

---

49 A date on a monument is written MCCXCII. What year is that?

Answer: ___

(1)

---

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

800,269, 770,900, 804,032, 791,546

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

51 5,157 x 1,000 =

Answer: ___

(1)

---

52 What is the value of the digit 9 in 293,706?

Answer: ___

(1)

---

53 On Monday the temperature was -4 degrees. On Tuesday it was 7 degrees.

What is the difference between the two temperatures?

Answer: ___ degrees

(2)

---

54 Write the Roman numeral CLXXI as a number.

Answer: ___

(1)

---

55 Write the Roman numeral DCLXXXIX as a number.

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

56 Write 667 as a Roman numeral.

Answer: ___

(1)

---

57 Complete the partition.

737,171 = 700,000 + 30,000 + 7,000 + ___ + 70 + 1

Answer: ___

(1)

---

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

450,849, 453,041, 452,675, 470,113

Answer: ___

(1)

---

59 What is 100 more than 117,715?

Answer: ___

(1)

---

60 Round 346,799 to the nearest 1,000. Then round your answer to the nearest 10,000.

(2)

© Revision Library | revisionlibrary.co.uk

61 What is the value of the digit 9 in 178,490?

Answer: ___

(1)

---

62 A date on a monument is written MDCLXV. What year is that?

Answer: ___

(1)

---

63 Write the Roman numeral CCLXXIV as a number.

Answer: ___

(1)

---

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

163,402, 213,558, 168,157, 174,276

Answer: ___

(1)

---

65 A date on a monument is written MDXLIV. What year is that?

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

66 A number line starts at 0 and goes up in equal steps of 10. An arrow points to the 5th mark after the start.

What number does the arrow show?

Answer: ___

(1)

---

67 What number is exactly halfway between -10 and -4?

Answer: ___

(1)

---

68 A shop had 12,450 pencils. They sold 3,275 pencils. How many pencils are left?

(2)

---

69 Find the missing number in this sequence.

623, 628, 633, 638, 643, ___

Answer: ___

(1)

---

70 What is the value of the digit 7 in 148,972?

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

71 Complete the partition.

437,662 = 400,000 + 30,000 + 7,000 + 600 + ___ + 2

Answer: ___

(1)

---

72 A number line starts at 0 and goes up in equal steps of 10. An arrow points to the 4th mark after the start.

What number does the arrow show?

Answer: ___

(1)

---

73 Write the Roman numeral DLV as a number.

Answer: ___

(1)

---

74 What is the value of the digit 8 in 863,029?

Answer: ___

(1)

---

75 What is 10,000 more than 764,856?

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

76 What is 10,000 more than 896,164?

Answer: ___

(1)

---

77 What is the value of the digit 7 in 729,436?

Answer: ___

(1)

---

78 Write the smallest and largest 6-digit numbers you can make using the digits 4, 0, 8, 1, 9, 2 each once.

(2)

---

79 Write the number five hundred and fifty-three thousand three hundred and twenty in digits.

Answer: ___

(1)

---

80 A number line starts at 100 and goes up in equal steps of 100. An arrow points to the 8th mark after the start.

What number does the arrow show?

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

81 Write 794,794 in words.

Answer: ___

(1)

---

82 What is the value of the digit 1 in 134,987?

Answer: ___

(1)

---

83 Complete the partition.

113,120 = 100,000 + 10,000 + 3,000 + ___ + 20

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

Mark scheme · 1.9 Place Value to 1000000 and Negative Numbers: 2-hour Pack

Question 1

902,110 cao — **B1**

Answer: **902,110**

Question 2

270,000 cao — **B1**

Answer: **270,000**

Question 3

DCCXCI cao — **B1**

Answer: **DCCXCI**

Question 4

-5 cao — **B1**

Answer: **-5**

Question 5

3 degrees cao — **B1**

Answer: **3 degrees**

Question 6

710,000 cao — **B1**

Answer: **710,000**

Question 7

973,774, 974,567, 984,903, 988,257 cao — **B1**

Answer: **973,774, 974,567, 984,903, 988,257**

Question 8

685,614, 683,278, 656,147, 635,032 cao — **B1**

Answer: **685,614, 683,278, 656,147, 635,032**

Question 9

377 cao — **B1**

Answer: **377**

Question 10

150,000 cao — **B1**

Answer: **150,000**

Question 11

688,100 cao — **B1**

Answer: **688,100**

Question 12

1358 cao — **B1**

Answer: **1358**

Question 13

840,000 cao — **B1**

Answer: **840,000**

Question 14

320,052, 339,467, 345,817, 361,224 cao — **B1**

Answer: **320,052, 339,467, 345,817, 361,224**

Question 15

395,713, 415,235, 437,435, 439,021 cao — **B1**

Answer: **395,713, 415,235, 437,435, 439,021**

Question 16

seven hundred and nine thousand and forty-five oe — **B1**

Answer: **seven hundred and nine thousand and forty-five**

Question 17

pattern of adding 100,000 each time identified — **M1**

440,000; 540,000; 640,000 cao — **A1**

Answer: **440,000; 540,000; 640,000**

Question 18

< cao — **B1**

Answer: **583,204 < 583,240**

Question 19

ten-thousands digit identified as 4, so rounds down, or clear method shown — **M1**

2,300,000 cao — **A1**

Answer: **2,300,000**

Question 20

70,000 cao — **B1**

Answer: **70,000**

Question 21

correct method counting through zero: -3 to 0 = 3, then 0 to 8 = 8 more floors, or -3 + 11 — **M1**

floor 8 cao — **A1**

Answer: **Floor 8**

Question 22

relevant digit identified: the ten-thousands digit is 4 — **M1**

correct rounded value found: 2,400,000 or clear equivalent reasoning — **M1**

clear conclusion that Noah is NOT correct because 2,449,999 rounds to 2,400,000 cao — **A1**

Answer: **Noah is not correct; 2,449,999 rounds to 2,400,000 because the ten-thousands digit (4) is less than 5.**

Question 23

6,000 cao — **B1**

Answer: **6,000**

Question 24

correct addition to get 254,489 or clear method — **M1**

244,489 cao — **A1**

Answer: **244,489**

Question 25

360,047, 365,363, 384,728, 389,631 cao — **B1**

Answer: **360,047, 365,363, 384,728, 389,631**

© Revision Library | revisionlibrary.co.uk

Question 26

185,927 cao **B1**

Answer: **185,927**

Question 27

1,000 cao **B1**

Answer: **1,000**

Question 28

one hundred and twenty-eight thousand four hundred cao **B1**

Answer: **one hundred and twenty-eight thousand four hundred**

Question 29

-17 cao **B1**

Answer: **-17**

Question 30

one hundred and ninety-three thousand four hundred and three cao **B1**

Answer: **one hundred and ninety-three thousand four hundred and three**

Question 31

494 cao **B1**

Answer: **494**

Question 32

XXI cao **B1**

Answer: **XXI**

Question 33

100 cao **B1**

Answer: **100**

Question 34

correct method for difference using zero or subtraction, e.g. -3 to 0 = 3, 0 to 5 = 5 **M1**

8 cao **A1**

Answer: **8**

Question 35

60,000 cao **B1**

Answer: **60,000**

Question 36

five hundred and ninety-nine thousand two hundred and twenty-one cao **B1**

Answer: **five hundred and ninety-nine thousand two hundred and twenty-one**

Question 37

90 cao **B1**

Answer: **90**

Question 38

525,209 cao **B1**

Answer: **525,209**

Question 39

1386 cao **B1**

Answer: **1386**

Question 40

605,279, 592,088, 577,902, 574,660 cao **B1**

Answer: **605,279, 592,088, 577,902, 574,660**

Question 41

352 cao **B1**

Answer: **352**

Question 42

2,500 cao **B1**

Answer: **2,500**

Question 43

40 cao **B1**

Answer: **40**

Question 44

3,000 cao **B1**

Answer: **3,000**

Question 45

1225 cao **B1**

Answer: **1225**

Question 46

three hundred and eighty-two thousand four hundred cao **B1**

Answer: **three hundred and eighty-two thousand four hundred**

Question 47

1401 cao **B1**

Answer: **1401**

Question 48

1525 cao **B1**

Answer: **1525**

Question 49

1292 cao **B1**

Answer: **1292**

Question 50

804,032, 800,269, 791,546, 770,900 cao **B1**

Answer: **804,032, 800,269, 791,546, 770,900**

Question 51

5,157,000 cao **B1**

Answer: **5,157,000**

Question 52

90,000 cao **B1**

Answer: **90,000**

© Revision Library | revisionlibrary.co.uk

Question 53

counts across zero — M1
11 degrees cao — A1
Answer: **11 degrees**

Question 54

171 cao — B1
Answer: **171**

Question 55

689 cao — B1
Answer: **689**

Question 56

DCLXVII cao — B1
Answer: **DCLXVII**

Question 57

100 cao — B1
Answer: **100**

Question 58

450,849, 452,675, 453,041, 470,113 cao — B1
Answer: **450,849, 452,675, 453,041, 470,113**

Question 59

117,815 cao — B1
Answer: **117,815**

Question 60

correct rounding to 347,000 or clear method — M1
350,000 cao — A1
Answer: **350,000**

Question 61

90 cao — B1
Answer: **90**

Question 62

1665 cao — B1
Answer: **1665**

Question 63

274 cao — B1
Answer: **274**

Question 64

213,558, 174,276, 168,157, 163,402 cao — B1
Answer: **213,558, 174,276, 168,157, 163,402**

Question 65

1544 cao — B1
Answer: **1544**

Question 66

50 cao — B1
Answer: **50**

Question 67

-7 cao — B1
Answer: **-7**

Question 68

correct subtraction method shown — M1
9,175 cao — A1
Answer: **9,175**

Question 69

648 cao — B1
Answer: **648**

Question 70

70 cao — B1
Answer: **70**

Question 71

60 cao — B1
Answer: **60**

Question 72

40 cao — B1
Answer: **40**

Question 73

555 cao — B1
Answer: **555**

Question 74

800,000 cao — B1
Answer: **800,000**

Question 75

774,856 cao — B1
Answer: **774,856**

Question 76

906,164 cao — B1
Answer: **906,164**

Question 77

700,000 cao — B1
Answer: **700,000**

Question 78

smallest correctly given as 102,489 cao — B1
largest correctly given as 984,210 cao — B1
Answer: **102,489; 984,210**

Question 79

553,320 cao — B1
Answer: **553,320**

Question 80

900 cao — B1
Answer: **900**

© Revision Library | revisionlibrary.co.uk

Question 81

seven hundred and ninety-four thousand seven hundred and ninety-four cao **B1**

Answer: **seven hundred and ninety-four thousand seven hundred and ninety-four**

Question 82

100,000 cao **B1**

Answer: **100,000**

Question 83

100 cao **B1**

Answer: **100**

© Revision Library | revisionlibrary.co.uk