1.9 Place Value to 1000000 and Negative Numbers: Test Pack

Total Marks

Calculators not allowed · about 60 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 In the number 482,316 what is the value of the digit 8?

(1)

2 What is the value of the digit 3 in 243,581?

Answer: ___

(1)

3 Round 120,353 to the nearest ten thousand.

Answer: ___

(1)

4 Explain why 0 is neither positive nor negative. Give one sentence as your explanation.

(2)

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5 Round 390,068 to the nearest ten.

Answer: ___

(1)

---

6 Write 84,300 in words.

Answer: ___

(1)

---

7 Write 246,800 in words.

Answer: ___

(1)

---

8 What is the value of the digit 8 in 829,637?

Answer: ___

(1)

---

9 Write the number forty-two thousand and thirty-four in digits.

Answer: ___

(1)

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10 988.3 x 1,000 =

Answer: ___

(1)

---

11 What number is exactly halfway between -7 and -3?

Answer: ___

(1)

---

12 Write these numbers in order from largest to smallest: 450,000; 45,000; 4,500; 405,000.

(2)

---

13 A date on a monument is written MCVII. What year is that?

Answer: ___

(1)

---

14 Find the missing number in this sequence.

492, 487, 482, ___, 472, 467

Answer: ___

(1)

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15 A parking meter starts at 0 and goes down by 1 every hour. A car is parked for 7 hours. What number does the meter show at the end of the 7 hours?

(2)

---

16 What is the value of the digit 5 in 901,745?

Answer: ___

(1)

---

17 Complete the partition.

704,214 = 700,000 + ___ + 200 + 10 + 4

Answer: ___

(1)

---

18 Write the number eight hundred and ninety-four thousand six hundred and eighteen in digits.

Answer: ___

(1)

---

19 Write the number four hundred and forty-five thousand eight hundred and sixty-five in digits.

Answer: ___

(1)

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20 Find the missing number in this sequence.

599, 574, 549, 524, 499, ___

Answer: ___

(1)

---

21 The Roman numeral DCCXIV appears on the front of an old building. Write this number using digits.

(2)

---

22 A particular year is written as the Roman numeral MCMXCV. Write this year as a number.

(2)

---

23 Count backwards in steps of 10,000 from 620,000. Write the next three numbers in the sequence.

(2)

---

24 Round 910,507 to the nearest ten thousand.

Answer: ___

(1)

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25 Round 987,778 to the nearest ten thousand.

Answer: ___

(1)

---

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

279,646, 276,750, 304,622, 328,711

Answer: ___

(1)

---

27 Place these numbers on a number line from smallest to largest: -12, 0, 5, -3, 12. Write them in order.

(2)

---

28 What is 5 less than 3?

Answer: ___

(1)

---

29 What is the digit in the tens place of 907,634? What is the value of that digit?

(2)

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30 Write the number seven hundred and eighty-three thousand six hundred in digits.

Answer: ___

(1)

---

31 Find the missing number in this sequence.

5,287, 6,287, 7,287, ___, 9,287, 10,287

Answer: ___

(1)

---

32 Round 166,375 to the nearest hundred.

Answer: ___

(1)

---

33 A number line starts at 500 and goes up in equal steps of 500. An arrow points to the 6th mark after the start.

What number does the arrow show?

Answer: ___

(1)

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34 On Monday the temperature was -2 degrees. On Tuesday it was 12 degrees.

What is the difference between the two temperatures?

Answer: ___ degrees

(2)

---

35 Round 759,681 to the nearest ten.

Answer: ___

(1)

---

36 Complete the partition.

363,211 = 300,000 + ___ + 3,000 + 200 + 10 + 1

Answer: ___

(1)

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Mark scheme · 1.9 Place Value to 1000000 and Negative Numbers: Test Pack

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

Question 1

80,000 cao — **B1**

Answer: **80,000**

Question 2

3,000 cao — **B1**

Answer: **3,000**

Question 3

120,000 cao — **B1**

Answer: **120,000**

Question 4

statement that 0 is the point between positive and negative numbers or has no sign — **M1**

clear reason, e.g. numbers greater than 0 are positive and less than 0 are negative, so 0 is neither cao — **A1**

Answer: **0 is the boundary on a number line between positive and negative numbers, so it is neither positive nor negative.**

Question 5

390,070 cao — **B1**

Answer: **390,070**

Question 6

eighty-four thousand three hundred cao — **B1**

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

Question 7

two hundred and forty-six thousand eight hundred cao — **B1**

Answer: **two hundred and forty-six thousand eight hundred**

Question 8

800,000 cao — **B1**

Answer: **800,000**

Question 9

42,034 cao — **B1**

Answer: **42,034**

Question 10

988,300 cao — **B1**

Answer: **988,300**

Question 11

-5 cao — **B1**

Answer: **-5**

Question 12

at least two numbers correctly placed or correct reasoning — **M1**

450,000; 405,000; 45,000; 4,500 cao — **A1**

Answer: **450,000; 405,000; 45,000; 4,500**

Question 13

1107 cao — **B1**

Answer: **1107**

Question 14

477 cao — **B1**

Answer: **477**

Question 15

correct subtraction or counting through zero shown — **M1**

-7 cao — **A1**

Answer: **-7**

Question 16

5 cao — **B1**

Answer: **5**

Question 17

4,000 cao — **B1**

Answer: **4,000**

Question 18

894,618 cao — **B1**

Answer: **894,618**

Question 19

445,865 cao — **B1**

Answer: **445,865**

Question 20

474 cao — **B1**

Answer: **474**

Question 21

correct breakdown seen: D = 500, CC = 200, X = 10, IV = 4 — **M1**

714 cao — **A1**

Answer: **714**

Question 22

correct breakdown seen: M = 1000, CM = 900, XC = 90, V = 5 — **M1**

1995 cao — **A1**

Answer: **1995**

Question 23

pattern of subtracting 10,000 each time identified — **M1**

610,000; 600,000; 590,000 cao — **A1**

Answer: **610,000; 600,000; 590,000**

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Question 24

910,000 cao **B1**

Answer: **910,000**

Question 25

990,000 cao **B1**

Answer: **990,000**

Question 26

276,750, 279,646, 304,622, 328,711 cao **B1**

Answer: **276,750, 279,646, 304,622, 328,711**

Question 27

partial order with at least three correct positions **M1**

-12, -3, 0, 5, 12 cao **A1**

Answer: **-12, -3, 0, 5, 12**

Question 28

-2 cao **B1**

Answer: **-2**

Question 29

tens digit identified as 3 **B1**

value given as 30 cao **B1**

Answer: **3; 30**

Question 30

783,600 cao **B1**

Answer: **783,600**

Question 31

8,287 cao **B1**

Answer: **8,287**

Question 32

166,400 cao **B1**

Answer: **166,400**

Question 33

3,500 cao **B1**

Answer: **3,500**

Question 34

counts across zero **M1**

14 degrees cao **A1**

Answer: **14 degrees**

Question 35

759,680 cao **B1**

Answer: **759,680**

Question 36

60,000 cao **B1**

Answer: **60,000**

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