1.7 Place Value to 10000 and Roman Numerals: Test Pack

Total Marks

Calculators not allowed · about 60 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Write the value of the underlined digit.

(a) In 7,4<u>2</u>1 what is the value of the underlined digit 2? **(1)**

2 Write <, > or = in the box.

7,591 [ ] 7,235

Answer: ___

(1)

3 Write the Roman numeral LXXVI as a number.

Answer: ___

(1)

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

What is the temperature at noon?

Answer: ___ degrees

(2)

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5 Use <, > or = to compare the pairs of numbers.

(a) 3,210 __ 3,201 **(1)**

(b) 2,999 __ 3,000 **(1)**

6 Complete the partition.

7,697 = 7,000 + 600 + 90 + ___

Answer: ___

(1)

7 Find the missing number in this sequence.

299, 302, 305, 308, 311, ___

Answer: ___

(1)

8 Find the missing number in this sequence.

837, 847, 857, 867, ___, 887

Answer: ___

(1)

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9 What is 7 less than -1?

Answer: ___

(1)

---

10 Use each of the digits 8, 2, 6, 9 once to make the largest possible 4-digit number.

Answer: ___

(2)

---

11 Find the missing number in this sequence.

812, 787, 762, ___, 712, 687

Answer: ___

(1)

---

12 A small hill is at -3 degrees Celsius at 6 am. By midday the temperature is 5 degrees Celsius. How much did the temperature rise?

(2)

---

13 Write the number eight thousand four hundred in digits.

Answer: ___

(1)

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

9,311, 9,148, 9,004, 8,930

Answer: ___

(1)

---

15 A number line starts at 50 and goes up in equal steps of 50. An arrow points to the 5th mark after the start.

What number does the arrow show?

Answer: ___

(1)

---

16 Explain your answer: Sam says 4,000 is 100 more than 3,900. Is Sam correct? Give a reason.

(3)

---

17 What is the value of the digit 4 in 3,406?

Answer: ___

(1)

---

18 Write the Roman numeral XCIX as a number.

Answer: ___

(1)

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19 Stretch question: Round 3,276 to the nearest 100 and then to the nearest 1,000. Explain how the answers are different.

(3)

20 Find the missing number in this sequence.

537, 512, 487, 462, ___, 412

Answer: ___

(1)

21 What is the value of the digit 1 in 3,167?

Answer: ___

(1)

22 What is the value of the digit 5 in 4,315?

Answer: ___

(1)

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

3,230, 3,377, 3,423, 3,144

Answer: ___

(1)

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

1,337, 1,688, 1,397, 1,203

Answer: ___

(1)

---

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

2,903, 3,137, 3,310, 2,860

Answer: ___

(1)

---

26 What is the value of the digit 2 in 2,476?

Answer: ___

(1)

---

27 Order these numbers from smallest to largest.

(a) Order: 4,099 ; 4,190 ; 3,999 ; 4,009 **(2)**

---

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

9,824, 9,882, 9,990, 10,018

Answer: ___

(1)

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29 Write the Roman numeral C as a number.

Answer: ___

(1)

---

30 Round 9,356 to the nearest ten.

Answer: ___

(1)

---

31 Write <, > or = in the box.

4,510 [ ] 4,156

Answer: ___

(1)

---

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

4,174, 3,975, 3,757, 3,868

Answer: ___

(1)

---

33 Here are four numbers. Circle the one that is largest.

(a) Numbers: 3,705 ; 3,750 ; 3,057 ; 3,759. Circle the largest. **(2)**

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34 Find the missing number in this sequence.

635, 610, 585, ___, 535, 510

Answer: ___

(1)

---

35 Write <, > or = in the box.

7,067 [ ] 6,735

Answer: ___

(1)

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Mark scheme · 1.7 Place Value to 10000 and Roman Numerals: Test Pack

Question 1

(a) 20 cao — B1

(a) Answer: **20**

Question 2

> cao — B1

Answer: **>**

Question 3

76 cao — B1

Answer: **76**

Question 4

adds the rise to the negative start — M1

0 degrees cao — A1

Answer: **0 degrees**

Question 5

(a) 3,210 > 3,201 cao — B1

(a) Answer: **3,210 > 3,201**

(b) 2,999 < 3,000 cao — B1

(b) Answer: **2,999 < 3,000**

Question 6

7 cao — B1

Answer: **7**

Question 7

314 cao — B1

Answer: **314**

Question 8

877 cao — B1

Answer: **877**

Question 9

-8 cao — B1

Answer: **-8**

Question 10

digits placed in value order — M1

9,862 cao — A1

Answer: **9,862**

Question 11

737 cao — B1

Answer: **737**

Question 12

correct subtraction across zero or difference method — M1

8 degrees cao — B1

Answer: **8 degrees Celsius**

Question 13

8,400 cao — B1

Answer: **8,400**

Question 14

9,311, 9,148, 9,004, 8,930 cao — B1

Answer: **9,311, 9,148, 9,004, 8,930**

Question 15

300 cao — B1

Answer: **300**

Question 16

evidence of calculating the difference or explaining place value (e.g. 4,000 - 3,900 = 100) — M1

Yes, 4,000 is 100 more than 3,900 cao — B1

supporting reason such as showing 3,900 + 100 = 4,000 or explaining hundreds increase — B1

Answer: **Yes. 4,000 is 100 more than 3,900 because 3,900 + 100 = 4,000**

Question 17

400 cao — B1

Answer: **400**

Question 18

99 cao — B1

Answer: **99**

Question 19

correct rounding to nearest 100 or to nearest 1,000 shown — M1

3,300 cao — B1

3,000 cao and explanation that rounding to 100 looks at tens digit 7 so rounds up to 3,300 while rounding to 1,000 looks at hundreds digit 2 so rounds down to 3,000 — B1

Answer: **Nearest 100: 3,300; Nearest 1,000: 3,000**

Question 20

437 cao — B1

Answer: **437**

Question 21

100 cao — B1

Answer: **100**

Question 22

5 cao — B1

Answer: **5**

Question 23

3,423, 3,377, 3,230, 3,144 cao — B1

Answer: **3,423, 3,377, 3,230, 3,144**

Question 24

1,688, 1,397, 1,337, 1,203 cao — B1

Answer: **1,688, 1,397, 1,337, 1,203**

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Question 25

3,310, 3,137, 2,903, 2,860 cao **B1**

Answer: **3,310, 3,137, 2,903, 2,860**

Question 26

2,000 cao **B1**

Answer: **2,000**

Question 27

(a) partially correct order or correct working showing comparison of at least two numbers **M1**

(a) full correct order 3,999, 4,009, 4,099, 4,190 cao **B1**

(a) Answer: **3,999, 4,009, 4,099, 4,190**

Question 28

10,018, 9,990, 9,882, 9,824 cao **B1**

Answer: **10,018, 9,990, 9,882, 9,824**

Question 29

100 cao **B1**

Answer: **100**

Question 30

9,360 cao **B1**

Answer: **9,360**

Question 31

> cao **B1**

Answer: **>**

Question 32

4,174, 3,975, 3,868, 3,757 cao **B1**

Answer: **4,174, 3,975, 3,868, 3,757**

Question 33

(a) evidence of comparison or identifying tens/hundreds to choose **M1**

(a) 3,759 cao **B1**

(a) Answer: **3,759**

Question 34

560 cao **B1**

Answer: **560**

Question 35

> cao **B1**

Answer: **>**

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