FOUNDATION

1.6 Place Value: 1-hour Pack

EDEXCEL 1MA1 · Calculator allowed · about 60 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Write the number 14,051 in words.

(Total for Question 1 is 1 mark)

2 Using the fact that 48 x 13 = 624, work out 0.48 x 130.

(Total for Question 2 is 2 marks)

3 Here are four digit cards: 3, 2, 5, 9. Use all four cards to make the largest possible 4-digit number and the smallest possible 4-digit number. Work out the difference between them.

(Total for Question 3 is 3 marks)

4 Write these numbers in order of size, starting with the smallest: 1.03, 3.173, 3.79, 8.468

(Total for Question 4 is 2 marks)

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5 Here are five numbers:
5072 5720 5027 5702 5207
Write down these numbers in order of size, starting with the smallest.

(Total for Question 5 is 1 mark)

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6 Here are four digit cards: 9, 8, 7, 5. Use all four cards to make the largest possible 4-digit number and the smallest possible 4-digit number. Work out the difference between them.

(Total for Question 6 is 3 marks)

---

7 Using the fact that 19 x 49 = 931, work out 1900 x 4.9.

(Total for Question 7 is 2 marks)

---

8 Write the number seven million two hundred and fifty-three thousand three hundred and thirty-two in figures.

(Total for Question 8 is 1 mark)

---

9 Write these numbers in order of size, starting with the smallest: 9.22, 0.44, 0.34, 4.838

(Total for Question 9 is 2 marks)

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10 Here are four digit cards: 7, 6, 3, 5. Use all four cards to make the largest possible 4-digit number and the smallest possible 4-digit number. Work out the difference between them.

(Total for Question 10 is 3 marks)

---

11 Using the fact that 48 x 37 = 1776, work out 480 x 3700.

(Total for Question 11 is 2 marks)

---

12 Write these numbers in order of size, starting with the smallest: 3.094, 7.97, 5.44, 4.928

(Total for Question 12 is 2 marks)

---

13 Here are four digit cards: 8, 5, 9, 6. Use all four cards to make the largest possible 4-digit number and the smallest possible 4-digit number. Work out the difference between them.

(Total for Question 13 is 3 marks)

---

14 Write the number one thousand eight hundred and thirty-three in figures.

(Total for Question 14 is 1 mark)

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15 Using the fact that 19 x 28 = 532, work out 0.19 x 0.28.

(Total for Question 15 is 2 marks)

---

16 Write down the value of the digit 4 in the number 4,690,588.

(Total for Question 16 is 1 mark)

---

17 Write these numbers in order of size, starting with the smallest: 3.08, 5.554, 7.591, 8.198

(Total for Question 17 is 2 marks)

---

18 Using the fact that 45 x 42 = 1890, work out 4.5 x 4.2.

(Total for Question 18 is 2 marks)

---

19 Write the number 6,678,925 in words.

(Total for Question 19 is 1 mark)

---

20 The attendance at a football match was 48,352.
Round 48,352 to the nearest 1000.

(Total for Question 20 is 1 mark)

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21 Here are five numbers:

-2.5 0.3 -0.35 2 -3

Write down these numbers in order of size, starting with the largest.

(Total for Question 21 is 2 marks)

---

22 The temperature at midnight was -6°C. By 3pm the temperature had risen by 14°C.

Freddie rounds the new temperature to the nearest 10°C.

Work out Freddie's rounded temperature.

(Total for Question 22 is 2 marks)

---

23 Freddie rounds 3.65 to 1 decimal place. He writes down 3.6.

Explain why Freddie is wrong, and give the correct answer.

.....

.....

(Total for Question 23 is 2 marks)

---

24 Priya first multiplies 0.056 by 10 and then multiplies the result by 100. Carry out both steps.

(a) Work out 0.056 multiplied by 10. **(1)**

.....

(b) Now multiply your answer to part (a) by 100. **(1)**

.....

(Total for Question 24 is 2 marks)

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Mark scheme · 1.6 Place Value: 1-hour Pack

Question 1

fourteen thousand and fifty-one cao **B1**

Answer: fourteen thousand and fifty-one

Question 2

624 with the decimal point adjusted **M1**

62.4 cao **A1**

Answer: 62.4

Question 3

9532 seen **B1**

2359 seen **B1**

7173 cao **B1**

Answer: 7173

Question 4

attempts to compare place by place or writes with equal decimal places **M1**

1.03, 3.173, 3.79, 8.468 cao **A1**

Answer: 1.03, 3.173, 3.79, 8.468

Question 5

5027, 5072, 5207, 5702, 5720 cao **B1**

Answer: 5027, 5072, 5207, 5702, 5720

Question 6

9875 seen **B1**

5789 seen **B1**

4086 cao **B1**

Answer: 4086

Question 7

931 with the decimal point adjusted **M1**

9310 cao **A1**

Answer: 9310

Question 8

7253332 cao **B1**

Answer: 7253332

Question 9

attempts to compare place by place or writes with equal decimal places **M1**

0.34, 0.44, 4.838, 9.22 cao **A1**

Answer: 0.34, 0.44, 4.838, 9.22

Question 10

7653 seen **B1**

3567 seen **B1**

4086 cao **B1**

Answer: 4086

Question 11

1776 with the decimal point adjusted **M1**

1776000 cao **A1**

Answer: 1776000

Question 12

attempts to compare place by place or writes with equal decimal places **M1**

3.094, 4.928, 5.44, 7.97 cao **A1**

Answer: 3.094, 4.928, 5.44, 7.97

Question 13

9865 seen **B1**

5689 seen **B1**

4176 cao **B1**

Answer: 4176

Question 14

1833 cao **B1**

Answer: 1833

Question 15

532 with the decimal point adjusted **M1**

0.0532 cao **A1**

Answer: 0.0532

Question 16

4,000,000 cao **B1**

Answer: 4000000

Question 17

attempts to compare place by place or writes with equal decimal places **M1**

3.08, 5.554, 7.591, 8.198 cao **A1**

Answer: 3.08, 5.554, 7.591, 8.198

Question 18

1890 with the decimal point adjusted **M1**

18.9 cao **A1**

Answer: 18.9

Question 19

six million six hundred and seventy-eight thousand nine hundred and twenty-five cao **B1**

Answer: six million six hundred and seventy-eight thousand nine hundred and twenty-five

Question 20

48000 cao **B1**

Answer: 48,000

Question 21

at least 3 of the 5 numbers placed in correct relative order oe **M1**

2, 0.3, -0.35, -2.5, -3 cao **A1**

Answer: 2, 0.3, -0.35, -2.5, -3

Question 22

-6 + 14 = 8 oe **M1**

10 (°C) cao, ft from a correct new temperature **A1**

Answer: 10°C

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Question 23

correct explanation that Freddie has rounded down when the hundredths digit (5) should round the tenths digit up oe **B1**

3.7 cao **B1**

Answer: Freddie is wrong; the correct answer is 3.7. The digit after the tenths column is 5, so the tenths digit should round up, not stay the same.

Question 24

(a) 0.56 cao **B1**

(a) Answer: 0.56

(b) 56 cao **B1**

(b) Answer: 56

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