2.1-3 Place Value and Rounding: Practice Set 3: Test Pack

Total Marks

GL ASSESSMENT GL · Calculators not allowed · about 40 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 In the number 4,823,671, what is the value of the digit 8?

- ☐ A) 8
- ☐ B) 80
- ☐ C) 8,000
- ☐ D) 80,000
- ☐ E) 800,000

---

2 What is -8 + 3?

- ☐ A) -5
- ☐ B) -11
- ☐ C) -1
- ☐ D) 5
- ☐ E) 11

---

3 Round 530.3 to the nearest whole number.

- ☐ A) 500
- ☐ B) 530.3
- ☐ C) 530
- ☐ D) 529
- ☐ E) 531

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4 The temperature in Aviemore was -6°C at 6am.

(a) By midday it had risen by 9°C. What was the midday temperature? **(1)**

.....

(b) By 9pm it had fallen by 11°C from midday. What was the temperature at 9pm? **(1)**

.....

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5 Round 432.2 to the nearest whole number.

- ☐ A) 430
- ☐ B) 432
- ☐ C) 432.2
- ☐ D) 400
- ☐ E) 433

---

6 Round 40,909 to the nearest 10.

- ☐ A) 40,910
- ☐ B) 40,900
- ☐ C) 40,909
- ☐ D) 40,920
- ☐ E) 41,000

---

7 Round 70,334 to the nearest 100.

- ☐ A) 70,200
- ☐ B) 70,400
- ☐ C) 70,300
- ☐ D) 70,330
- ☐ E) 70,000

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8 Round 84,160 to the nearest 1,000.

- ☐ A) 80,000
- ☐ B) 85,000
- ☐ C) 84,000
- ☐ D) 83,000
- ☐ E) 84,100

---

9 Round 56.983 to 1 decimal place.

- ☐ A) 60
- ☐ B) 56.98
- ☐ C) 57
- ☐ D) 57.1
- ☐ E) 56.9

---

10 Round 12.6963 as follows.

(a) Round 12.6963 to 2 decimal places. **(1)**

(b) Round 12.6963 to 3 decimal places. **(1)**

---

11 Round 95,724 to the nearest 1,000.

- ☐ A) 95,000
- ☐ B) 100,000
- ☐ C) 97,000
- ☐ D) 96,000
- ☐ E) 95,700

---

12 Round 7,381 to the nearest 10.

- ☐ A) 7,000
- ☐ B) 7,380
- ☐ C) 7,381
- ☐ D) 7,400
- ☐ E) 7,390

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13 Write < or > to make this statement true: -3 ___ -8

(1)

14 Round 74,188 to the nearest 10.

- ☐ A) 74,000
- ☐ B) 74,180
- ☐ C) 74,190
- ☐ D) 74,200
- ☐ E) 74,188

15 Round 28.234 to 1 decimal place.

- ☐ A) 30
- ☐ B) 28
- ☐ C) 28.23
- ☐ D) 28.3
- ☐ E) 28.2

16 Round 81.785 to 1 decimal place.

- ☐ A) 81.79
- ☐ B) 82
- ☐ C) 81.7
- ☐ D) 81.9
- ☐ E) 81.8

17 A submarine is at a depth of -145 m. It rises 60 m, then dives a further 25 m. What is its new depth?

(2)

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18 What is 6,000,000 + 400,000 + 20,000 + 7 written in figures?

- ☐ A) 6,402,007
- ☐ B) 6,420,700
- ☐ C) 6,042,007
- ☐ D) 6,420,007
- ☐ E) 6,204,007

---

19 A number has 3 million, 5 hundred thousand, 0 ten thousand, 8 thousand, 4 hundred, 0 tens and 9 units.

(a) Write this number in figures. **(1)**

(b) Round your answer to part (a) to the nearest 100,000. **(1)**

---

20 The population of a town is 2,847,500, correct to the nearest hundred.

(a) What is the smallest number of people the actual population could be? **(1)**

(b) What is the largest whole number of people the actual population could be? **(1)**

(c) Round 2,847,500 to the nearest 10,000. **(1)**

---

21 Which of these numbers does NOT round to 5.60 when rounded to 2 decimal places?

- ☐ A) 5.605
- ☐ B) 5.601
- ☐ C) 5.598
- ☐ D) 5.595
- ☐ E) 5.604

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22 Round 281.8 to the nearest whole number.

- [ ] A) 300
- [ ] B) 281
- [ ] C) 282
- [ ] D) 280
- [ ] E) 281.8

---

23 Round 97,422 to the nearest 1,000.

- [ ] A) 96,000
- [ ] B) 97,400
- [ ] C) 97,000
- [ ] D) 98,000
- [ ] E) 100,000

---

24 Write these three numbers in order, starting with the smallest: 2.605, 2.056, 2.65

(2)

---

25 Round 47,198 to the nearest 100.

- [ ] A) 47,200
- [ ] B) 47,100
- [ ] C) 47,000
- [ ] D) 47,190
- [ ] E) 50,000

---

26 Round 35,165 to the nearest 1,000.

- [ ] A) 35,000
- [ ] B) 34,000
- [ ] C) 35,200
- [ ] D) 40,000
- [ ] E) 36,000

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27 Round 571.945 to 2 decimal places.

- ☐ A) 571.9
- ☐ B) 571.94
- ☐ C) 572
- ☐ D) 571.95
- ☐ E) 571.945

---

28 Round 6,499 to the nearest 100.

(1)

---

29 Round 14,971 to the nearest 100.

- ☐ A) 14,970
- ☐ B) 15,000
- ☐ C) 10,000
- ☐ D) 14,900
- ☐ E) 15,100

---

30 Round 83,416 to the nearest 10.

- ☐ A) 83,420
- ☐ B) 83,416
- ☐ C) 83,430
- ☐ D) 83,410
- ☐ E) 83,400

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31 A stadium has 128,450 seats.

(a) Round this number to the nearest 1,000. **(1)**

(b) Round this number to the nearest 10,000. **(1)**

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32 Round 85,796 to the nearest 1,000.

- ☐ A) 100,000
- ☐ B) 90,000
- ☐ C) 85,700
- ☐ D) 86,000
- ☐ E) 85,000

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Mark scheme · 2.1-3 Place Value and Rounding: Practice Set 3: Test Pack

Question 1

E) 800,000 cao **B1**

Answer: 800,000

Question 2

A) -5 cao **B1**

Answer: -5

Question 3

correct option C (530) cao **B1**

Answer: C) 530

Question 4

(a) 3°C cao **B1**

(a) Answer: 3°C

(b) -8°C cao (ft from part a) **B1**

(b) Answer: -8°C

Question 5

correct option B (432) cao **B1**

Answer: B) 432

Question 6

correct option A (40,910) cao **B1**

Answer: A) 40,910

Question 7

correct option C (70,300) cao **B1**

Answer: C) 70,300

Question 8

correct option C (84,000) cao **B1**

Answer: C) 84,000

Question 9

correct option C (57) cao **B1**

Answer: C) 57

Question 10

(a) 12.70 cao **B1**

(a) Answer: 12.70

(b) 12.696 cao **B1**

(b) Answer: 12.696

Question 11

correct option D (96,000) cao **B1**

Answer: D) 96,000

Question 12

correct option B (7,380) cao **B1**

Answer: B) 7,380

Question 13

> cao (i.e. -3 > -8) **B1**

Answer: -3 > -8

Question 14

correct option C (74,190) cao **B1**

Answer: C) 74,190

Question 15

correct option E (28.2) cao **B1**

Answer: E) 28.2

Question 16

correct option E (81.8) cao **B1**

Answer: E) 81.8

Question 17

-145 + 60 (oe) **M1**

-110 m cao **A1**

Answer: -110 m

Question 18

D) 6,420,007 cao **B1**

Answer: 6,420,007

Question 19

(a) 3,508,409 cao **B1**

(a) Answer: 3,508,409

(b) 3,500,000 cao (ft from part a) **B1**

(b) Answer: 3,500,000

Question 20

(a) 2,847,450 cao **B1**

(a) Answer: 2,847,450

(b) 2,847,549 cao **B1**

(b) Answer: 2,847,549

(c) 2,850,000 cao **B1**

(c) Answer: 2,850,000

Question 21

A) 5.605 cao **B1**

Answer: 5.605

Question 22

correct option C (282) cao **B1**

Answer: C) 282

Question 23

correct option C (97,000) cao **B1**

Answer: C) 97,000

Question 24

Correctly compares the numbers using the same number of decimal places (oe) **M1**

2.056, 2.605, 2.65 cao **A1**

Answer: 2.056, 2.605, 2.65

Question 25

correct option A (47,200) cao **B1**

Answer: A) 47,200

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Question 26

correct option A (35,000) cao **B1**

Answer: A) 35,000

Question 27

correct option D (571.95) cao **B1**

Answer: D) 571.95

Question 28

6,500 cao **B1**

Answer: 6,500

Question 29

correct option B (15,000) cao **B1**

Answer: B) 15,000

Question 30

correct option A (83,420) cao **B1**

Answer: A) 83,420

Question 31

(a) 128,000 cao **B1**

(a) Answer: 128,000

(b) 130,000 cao **B1**

(b) Answer: 130,000

Question 32

correct option D (86,000) cao **B1**

Answer: D) 86,000

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