2.1-3 Place Value and Rounding: Practice Set 3: 10-minute Pack

GL ASSESSMENT GL · Calculators not allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Round 65,122 to the nearest 100.

- ☐ A) 65,120
- ☐ B) 65,000
- ☐ C) 65,200
- ☐ D) 65,100
- ☐ E) 70,000

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2 Round 28.967 to 1 decimal place.

- ☐ A) 29
- ☐ B) 28.97
- ☐ C) 29.1
- ☐ D) 28.9
- ☐ E) 28.96

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3 Which list shows these numbers in order from smallest to largest? -7, 2, -3, 0, -10

- ☐ A) 2, 0, -3, -7, -10
- ☐ B) 0, -3, -7, -10, 2
- ☐ C) -10, -7, -3, 0, 2
- ☐ D) -10, -3, -7, 0, 2
- ☐ E) -7, -10, -3, 0, 2

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4 Round 3.847 to 1 decimal place.

- [ ] A) 3.9
- [ ] B) 3.85
- [ ] C) 4.8
- [ ] D) 4.0
- [ ] E) 3.8

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5 Which symbol makes this statement correct? -15 ___ -9

- [ ] A) >
- [ ] B) <
- [ ] C) Either < or > could be correct
- [ ] D) Cannot be compared without a calculator
- [ ] E) =

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6 The temperature at the base of a mountain is 5°C. At the top of the mountain it is -12°C. What is the difference in temperature between the base and the top?

- [ ] A) -17°C
- [ ] B) -7°C
- [ ] C) 13°C
- [ ] D) 17°C
- [ ] E) 7°C

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7 A number rounds to 7,600,000 when rounded to the nearest 100,000. Which of these numbers could NOT be the original number?

- [ ] A) 7,600,000
- [ ] B) 7,650,000
- [ ] C) 7,551,204
- [ ] D) 7,590,450
- [ ] E) 7,649,999

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8 Beatrix records the temperature outside her house every day for a week. On Monday it was -4°C. Each day up to and including Thursday, the temperature rose by 3°C compared with the day before. From Thursday to Friday, the temperature then fell by 7°C.

(a) What was the temperature on Thursday? **(1)**

.....

(b) What was the temperature on Friday? **(1)**

.....

(c) A weather app rounds Friday's temperature to the nearest 10 degrees for a simplified icon. What temperature does it show? **(1)**

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9 Write three hundred and six thousand, two hundred and forty in figures.

(1)

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Mark scheme · 2.1-3 Place Value and Rounding: Practice Set 3: 10-minute Pack

Question 1

correct option D (65,100) cao **B1**

Answer: D) 65,100

Question 2

correct option A (29) cao **B1**

Answer: A) 29

Question 3

C) -10, -7, -3, 0, 2 cao **B1**

Answer: -10, -7, -3, 0, 2

Question 4

E) 3.8 cao **B1**

Answer: 3.8

Question 5

B) < cao **B1**

Answer: < (-15 < -9)

Question 6

D) 17°C cao **B1**

Answer: 17°C

Question 7

B) 7,650,000 cao **B1**

Answer: 7,650,000

Question 8

(a) 5°C cao **B1**

(a) Answer: 5°C

(b) -2°C cao (ft from part a) **B1**

(b) Answer: -2°C

(c) 0°C cao (ft from part b) **B1**

(c) Answer: 0°C

Question 9

306,240 cao **B1**

Answer: 306,240

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