2.97 Reading Scales and Measuring Instruments: 10-minute Pack

Total Marks

GL ASSESSMENT GL-11PLUS-MATHS · Calculators not allowed · about 10 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 The pointer on a measuring jug is exactly halfway between the 1300 ml mark and the 1400 ml mark. What reading does it show?

- ☐ A) 1,400 ml
- ☐ B) 1,300 ml
- ☐ C) 1,350 ml
- ☐ D) 1,325 ml
- ☐ E) 2,700 ml

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2 The pointer on a measuring jug is exactly halfway between the 3400 ml mark and the 3600 ml mark. What reading does it show?

- ☐ A) 3,500 ml
- ☐ B) 100 ml
- ☐ C) 7,000 ml
- ☐ D) 3,400 ml
- ☐ E) 3,600 ml

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3 The pointer on a measuring jug is exactly halfway between the 1800 ml mark and the 2000 ml mark. What reading does it show?

- ☐ A) 3,800 ml
- ☐ B) 100 ml
- ☐ C) 2,000 ml
- ☐ D) 1,800 ml
- ☐ E) 1,900 ml

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4 The pointer on a measuring jug is exactly halfway between the 800 ml mark and the 1000 ml mark. What reading does it show?

- ☐ A) 899 ml
- ☐ B) 1,000 ml
- ☐ C) 800 ml
- ☐ D) 900 ml
- ☐ E) 1,800 ml

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5 The pointer on a bathroom scale is exactly halfway between the 1900 kg mark and the 2000 kg mark. What reading does it show?

- ☐ A) 1,951 kg
- ☐ B) 1,950 kg
- ☐ C) 2,000 kg
- ☐ D) 3,900 kg
- ☐ E) 1,900 kg

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6 The pointer on a kitchen scale is exactly halfway between the 80 g mark and the 100 g mark. What reading does it show?

- ☐ A) 100 g
- ☐ B) 10 g
- ☐ C) 90 g
- ☐ D) 180 g
- ☐ E) 80 g

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7 The pointer on a bathroom scale is exactly halfway between the 2800 kg mark and the 3000 kg mark. What reading does it show?

- ☐ A) 2,899 kg
- ☐ B) 3,000 kg
- ☐ C) 2,901 kg
- ☐ D) 2,800 kg
- ☐ E) 2,900 kg

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8 The scale on a kitchen scale has a mark every 10 g. The pointer is 2 marks above the 160 g mark. What does it show?

- ☐ A) 180 g
- ☐ B) 179 g
- ☐ C) 162 g
- ☐ D) 200 g
- ☐ E) 140 g

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9 A bathroom scale uses a dial where the 0 kg and 6 kg marks are connected by 8 equal divisions.

(a) Calculate the value of one small division in kilograms. **(1)**

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(b) If the pointer is at the 5th small division above 0, what mass is shown? **(2)**

.....

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Mark scheme · 2.97 Reading Scales and Measuring Instruments: 10-minute Pack

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

Question 1

correct option C (1,350 ml) cao **B1**

Answer: C) 1,350 ml

Question 2

correct option A (3,500 ml) cao **B1**

Answer: A) 3,500 ml

Question 3

correct option E (1,900 ml) cao **B1**

Answer: E) 1,900 ml

Question 4

correct option D (900 ml) cao **B1**

Answer: D) 900 ml

Question 5

correct option B (1,950 kg) cao **B1**

Answer: B) 1,950 kg

Question 6

correct option C (90 g) cao **B1**

Answer: C) 90 g

Question 7

correct option E (2,900 kg) cao **B1**

Answer: E) 2,900 kg

Question 8

correct option A (180 g) cao **B1**

Answer: A) 180 g

Question 9

(a) 0.75 kg cao **B1**

(a) Answer: 0.75 kg

(b) 5 x 0.75 (= 3.75) seen or equivalent method **M1**

(b) 3.75 kg cao **A1**

(b) Answer: 3.75 kg

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