1.11 Reasoning: Number and Calculation: 10-minute Pack

Total Marks

Calculators not allowed · about 10 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 A garden centre sells bags of soil in 25 kg sacks. A landscaper needs 7.5 tonnes of soil. How many full 25 kg sacks should they buy? Show full working.

(3)

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2 Each taxi has 24 seats. There are 89 people to carry.

What is the smallest number of taxis needed?

Answer: ___

(2)

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3 The sum of 3 consecutive even numbers is 102.

What is the smallest of the 3 numbers?

Answer: ___

(2)

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4 Use each of the digits 2, 6, 5, 4 once to make the smallest possible 4-digit number.

Answer: ___

(1)

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Mark scheme · 1.11 Reasoning: Number and Calculation: 10-minute Pack

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

Question 1

Convert tonnes to kg: 7.5 t = 7,500 kg	**M1**
Sacks needed 7,500 / 25 = 300 cao	**B2**

Answer: **300 sacks**

Question 2

89 / 24 = 3 remainder 17 seen	**M1**
4 cao	**A1**

Answer: **4**

Question 3

uses the mean or tests numbers	**M1**
32 cao	**A1**

Answer: **32**

Question 4

2,456 cao	**B1**

Answer: **2,456**

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