1.6 Reasoning and Problem Solving (Year 3): 10-minute Pack

Total Marks

Calculators not allowed · about 10 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 A rope is 1 m 25 cm long and another rope is 75 cm long. What is their total length in centimetres?

(2)

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2 Oscar eats 4/8 of a cake on Monday and 1/8 on Tuesday.

What fraction of the cake is left? Give your answer in its simplest form.

Answer: ___

(2)

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3 Noah has 21 sweets. Noah gives 2/3 of them to a friend.

How many sweets does Noah give to the friend?

Answer: ___

(2)

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4 Complete the pattern: 5, 10, 15, ?, 25

(1)

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5 A small chart shows how many books each child read last week: Amy 3, Ben 5, Chi 2, Dev 5. Explain how many more books Ben read than Chi and show your working.

(2)

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Mark scheme · 1.6 Reasoning and Problem Solving (Year 3): 10-minute Pack

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

Question 1

Correct conversion of 1 m 25 cm to 125 cm and addition shown	**M1**
200 cm cao	**B1**

Answer: **200 cm**

Question 2

5/8 eaten seen	**M1**
3/8 cao	**A1**

Answer: **3/8**

Question 3

21 divided by 3 = 7 seen	**M1**
14 cao	**A1**

Answer: **14**

Question 4

20 cao	**B1**

Answer: **20**

Question 5

Correct subtraction shown, e.g. 5 - 2 = 3 or equivalent reasoning	**M1**
3 books cao	**B1**

Answer: **3**

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