1.8 Reasoning and Problem Solving (Year 4): 10-minute Pack

Total Marks

Calculators not allowed · about 10 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 A gardener plants bulbs in rows. Each row holds 9 bulbs. He plants 6 full rows and has 5 bulbs left. How many bulbs did he start with?

(2)

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2 Ethan has 42 buttons. Ethan gives 2/3 of them to a friend.

How many buttons does Ethan give to the friend?

Answer: ___

(2)

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3 Willow has 4 boxes with 3,421 coins in each box and 4,774 loose coins.

How many coins does Willow have altogether?

Answer: ___

(2)

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4 A cinema has 8 rows with 12 seats in each row. Tickets for a showing sell for £6 each. If all seats are sold, what is the total money taken?

(2)

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Mark scheme · 1.8 Reasoning and Problem Solving (Year 4): 10-minute Pack

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

Question 1

Multiply 6 x 9 = 54 and add 5 seen	**M1**
59 cao	**B1**

Answer: **59**

Question 2

42 divided by 3 = 14 seen	**M1**
28 cao	**A1**

Answer: **28**

Question 3

4 x 3,421 = 13,684 seen	**M1**
18,458 cao	**A1**

Answer: **18,458**

Question 4

Find total seats: 8 x 12 = 96 and multiply by 6 seen	**M1**
£576 cao	**B1**

Answer: **£576**

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