2.3 Addition and Subtraction: Multi-Step Problems: 30-minute Pack

Calculators not allowed · about 30 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Ella has 30 more marbles than Amira. Together they have 52 marbles.

How many marbles does Amira have?

Answer: ___

(2)

---

2 94117 - 47708 =

Answer: ___

(1)

---

3 Lily buys 5 rulers at 37p each, 4 magnets at £2.98 each and 1 balloon at £1 each. Lily pays with £15.

How much change does Lily get?

Answer: £___

(3)

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4 Estimate 8,929 - 4,604 by rounding each number to the nearest 1,000 first.

Answer: ___

(2)

---

5 Poppy has 17 more marbles than Oscar. Together they have 87 marbles.

How many marbles does Oscar have?

Answer: ___

(2)

---

6 75352 - 47124 =

Answer: ___

(1)

---

7 A museum had 72,153 visitors on Saturday and 95,205 visitors on Sunday.

How many more visitors came on the busier day?

Answer: ___

(2)

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8 93241 - 89338 =

Answer: ___

(2)

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9 A farmer harvested 3,420 kg of potatoes. He sold 1,285 kg at the market and stored the rest. Later he used 125 kg for seed. How many kilograms did he store after setting aside seed potatoes?

(2)

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10 A charity raised 6,400 in a campaign. They split the money so that 2,175 went to Project A and the rest was shared equally between Project B and Project C. How much did each of Project B and Project C receive?

(2)

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11 Explain your answer: A shopkeeper has 9,640 g of flour. He uses 375 g for each batch of bread. After making full batches he gives 40 g to a neighbour. How many full batches can he make and how much flour is left after the gift? Show working to explain your answer.

(3)

12 The sum of 5 consecutive even numbers is 40.

What is the smallest of the 5 numbers?

Answer: ___

(2)

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Mark scheme · 2.3 Addition and Subtraction: Multi-Step Problems: 30-minute Pack

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

Question 1

52 - 30 = 22 seen	M1
11 cao	A1

Answer: **11**

Question 2

46409 cao	B1

Answer: **46409**

Question 3

1.85 seen	M1
total 14.77 seen	M1
£0.23 cao	A1

Answer: **£0.23**

Question 4

9,000 and 5,000 seen	M1
4,000 cao	A1

Answer: **4,000**

Question 5

87 - 17 = 70 seen	M1
35 cao	A1

Answer: **35**

Question 6

28228 cao	B1

Answer: **28228**

Question 7

subtraction method seen	M1
23,052 cao	A1

Answer: **23,052**

Question 8

column or mental method with not more than one error	M1
3903 cao	A1

Answer: **3903**

Question 9

Shows 3,420 - 1,285 - 125 or equivalent	M1
2,010 kg cao	B1

Answer: **2,010**

Question 10

Shows 6,400 - 2,175 then ÷ 2 or equivalent	M1
2,112.5 cao	B1

Answer: **2,112.5**

Question 11

Correct division to find number of full batches: 9,640 ÷ 375 = 25 r 265 or equivalent	M1
Shows removing 40 g from remainder: 265 - 40 = 225	M1
25 batches and 225 g left cao	B1

Answer: **25 and 225 g**

Question 12

uses the mean or tests numbers	M1
4 cao	A1

Answer: **4**

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