2.3 Addition and Subtraction: Multi-Step Problems: 1-hour Pack

Calculators not allowed · about 60 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Amira has 8,838 marbles. Amira puts 8,542 aside and shares the rest equally between 2 friends.

How many marbles does each friend get?

Answer: ___

(2)

---

2 83426 + 94626 =

Answer: ___

(1)

---

3 A stadium had 36,268 fans on Saturday and 50,083 fans on Sunday.

How many more fans came on the busier day?

Answer: ___

(2)

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4 Mateo has 27 more marbles than Oscar. Together they have 79 marbles.

How many marbles does Oscar have?

Answer: ___

(2)

---

5 Kiran has 17 more marbles than Zara. Together they have 61 marbles.

How many marbles does Zara have?

Answer: ___

(2)

---

6 A charity had 5,000 stamps. They gave 1,245 stamps to a local school and later received another 730 stamps as a donation. How many stamps do they have now?

(2)

---

7 A shop had 2,880 pencils. Before packing, they found 18 pencils were damaged and removed them. They packed the remaining pencils into boxes of 60. How many pencils were packed into full boxes?

(3)

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8 Sofia had 4,005 stickers. She gave 1,250 to friends and split the rest equally into 5 albums. How many stickers are in each album?

(2)

---

9 Maya reads 128 pages of a book on Monday and 143 pages on Tuesday. She still has 297 pages left to read. How many pages does the book have in total?

(2)

---

10 Hana buys 2 sandwiches at £1.56 each, 4 notebooks at 59p each and 5 kites at £2.75 each. Hana pays with £20.

How much change does Hana get?

Answer: £___

(3)

---

11 Ben buys 3 posters at £2.34 each and 1 scarf at £1.92 each. Ben pays with £10.

How much change does Ben get?

Answer: £___

(2)

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12 Priya has 52,027 marbles. Priya is given 30,915 more and then gives away 60,375.

How many marbles does Priya have now?

Answer: ___

(2)

---

13 Isla has 37,059 beads. Isla puts 36,436 aside and shares the rest equally between 7 friends.

How many beads does each friend get?

Answer: ___

(2)

---

14 Estimate 7,777 - 5,382 by rounding each number to the nearest 1,000 first.

Answer: ___

(2)

---

15 Estimate 7,352 - 6,716 by rounding each number to the nearest 1,000 first.

Answer: ___

(2)

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16 54208 - 50479 =

Answer: ___

(2)

---

17 39328 - 10471 =

Answer: ___

(1)

---

18 A school bought 5 boxes of pencils. Each box has 48 pencils. They gave 62 pencils to Year 5 for an art lesson. How many pencils are left in total now?

(3)

---

19 18811 + 57763 =

Answer: ___

(1)

---

20 82760 + 89535 =

Answer: ___

(1)

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21 Priya has 42,423 cards. Priya puts 41,783 aside and shares the rest equally between 8 friends.

How many cards does each friend get?

Answer: ___

(2)

---

22 65723 - 50512 =

Answer: ___

(1)

---

23 Yusuf has 6 boxes with 48,412 stickers in each box and 88,603 loose stickers.

How many stickers does Yusuf have altogether?

Answer: ___

(2)

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24 78308 - 61773 =

Answer: ___

(1)

---

25 The sum of 4 consecutive numbers is 174.

What is the smallest of the 4 numbers?

Answer: ___

(2)

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Mark scheme · 2.3 Addition and Subtraction: Multi-Step Problems: 1-hour Pack

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

Question 1

296 seen	M1
148 cao	A1

Answer: **148**

Question 2

178052 cao	B1

Answer: **178052**

Question 3

subtraction method seen	M1
13,815 cao	A1

Answer: **13,815**

Question 4

79 - 27 = 52 seen	M1
26 cao	A1

Answer: **26**

Question 5

61 - 17 = 44 seen	M1
22 cao	A1

Answer: **22**

Question 6

Shows 5,000 - 1,245 + 730	M1
4,485 cao	B1

Answer: **4,485**

Question 7

Shows 2,880 - 18 = 2,862 or equivalent	M1
Shows division 2,862 ÷ 60 to find number of full boxes and total packed	M1
2,820 cao	B1

Answer: **2,820**

Question 8

Shows (4,005 - 1,250) ÷ 5 or equivalent	M1
551 cao	B1

Answer: **551**

Question 9

Correct method: 128 + 143 + 297	M1
568 cao	B1

Answer: **568**

Question 10

3.12 seen	M1
total 19.23 seen	M1
£0.77 cao	A1

Answer: **£0.77**

Question 11

7.02 seen	M1
£1.06 cao	A1

Answer: **£1.06**

Question 12

82,942 seen	M1
22,567 cao	A1

Answer: **22,567**

Question 13

623 seen	M1
89 cao	A1

Answer: **89**

Question 14

8,000 and 5,000 seen	M1
3,000 cao	A1

Answer: **3,000**

Question 15

7,000 and 7,000 seen	M1
0 cao	A1

Answer: **0**

Question 16

column or mental method with not more than one error	M1
3729 cao	A1

Answer: **3729**

Question 17

28857 cao	B1

Answer: **28857**

Question 18

Correct multiplication to find total pencils: 5 x 48	M1
Correct subtraction of 62 from the total	M1
178 cao	B1

Answer: **178**

Question 19

76574 cao	B1

Answer: **76574**

Question 20

172295 cao	B1

Answer: **172295**

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Question 21

640 seen	**M1**
80 cao	**A1**

Answer: **80**

Question 22

15211 cao	**B1**

Answer: **15211**

Question 23

6 x 48,412 = 290,472 seen	**M1**
379,075 cao	**A1**

Answer: **379,075**

Question 24

16535 cao	**B1**

Answer: **16535**

Question 25

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

Answer: **42**

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