2.3 Addition and Subtraction: Multi-Step Problems: 2-hour Pack

Calculators not allowed · about 120 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Grace buys 2 T-shirts at £2.61 each and 4 sandwiches at £2.50 each. Grace pays with £20.

How much change does Grace get?

Answer: £___

(2)

---

2 A theatre has 1,250 seats. On Friday evening 872 seats were sold. On Saturday evening 993 seats were sold. How many more seats were sold on Saturday than on Friday?

(2)

---

3 52690 - 8431 =

Answer: ___

(2)

© Revision Library | revisionlibrary.co.uk

4 The sum of 3 consecutive odd numbers is 177.

What is the smallest of the 3 numbers?

Answer: ___

(2)

---

5 68688 - 42808 =

Answer: ___

(1)

---

6 Dev has 34,966 marbles. Dev puts 32,284 aside and shares the rest equally between 6 friends.

How many marbles does each friend get?

Answer: ___

(2)

---

7 Victor has 35,696 marbles. Victor puts 35,576 aside and shares the rest equally between 6 friends.

How many marbles does each friend get?

Answer: ___

(2)

© Revision Library | revisionlibrary.co.uk

8 A festival had 87,654 visitors in May and 35,526 visitors in June.

How many visitors did it have altogether?

Answer: ___

(1)

---

9 44537 + 70040 =

Answer: ___

(1)

---

10 A garden centre planted 1,430 saplings in March and 1,287 saplings in April. They planted 540 more saplings in May, but 398 saplings from the three months died. How many of the saplings are still alive across the three months combined?

(3)

---

11 Grace buys 1 lolly at 54p each, 5 scarves at £1.87 each and 1 poster at 69p each. Grace pays with £15.

How much change does Grace get?

Answer: £___

(3)

© Revision Library | revisionlibrary.co.uk

12 A car park has 80,531 spaces. 13,992 spaces are full and 781 are reserved.

How many spaces are free?

Answer: ___

(2)

---

13 A zoo had 23,038 visitors on Saturday and 37,605 visitors on Sunday.

How many more visitors came on the busier day?

Answer: ___

(2)

---

14 64881 + 26659 =

Answer: ___

(1)

---

15 46187 - 29894 =

Answer: ___

(2)

© Revision Library | revisionlibrary.co.uk

16 A stadium had 10,760 fans on Saturday and 90,610 fans on Sunday.

How many more fans came on the busier day?

Answer: ___

(1)

---

17 A festival had 74,818 visitors in May and 1,308 visitors in June.

How many visitors did it have altogether?

Answer: ___

(2)

---

18 21779 + 46251 =

Answer: ___

(1)

---

19 At the start of term there were 632 pupils in Year 5. 47 pupils moved to another school and 29 new pupils joined. What is the Year 5 class size now?

(2)

---

20 69371 + 61069 =

Answer: ___

(1)

© Revision Library | revisionlibrary.co.uk

21 34443 + 69282 =

Answer: ___

(2)

---

22 George buys 5 scarves at 38p each, 3 T-shirts at £2.80 each and 4 rulers at £2.78 each. George pays with £25.

How much change does George get?

Answer: £___

(3)

---

23 18148 - 14374 =

Answer: ___

(1)

---

24 Estimate 2,370 + 5,070 by rounding each number to the nearest 1,000 first.

Answer: ___

(2)

© Revision Library | revisionlibrary.co.uk

25 The sum of 5 consecutive odd numbers is 145.

What is the smallest of the 5 numbers?

Answer: ___

(2)

---

26 A car park has 97,868 spaces. 37,080 spaces are full and 331 are reserved.

How many spaces are free?

Answer: ___

(2)

---

27 Victor buys 5 notebooks at £2.51 each, 1 scarf at £1.39 each and 2 kites at £1.05 each. Victor pays with £20.

How much change does Victor get?

Answer: £___

(3)

© Revision Library | revisionlibrary.co.uk

28 Noah has 15 more marbles than Isla. Together they have 85 marbles.

How many marbles does Isla have?

Answer: ___

(2)

---

29 99721 + 95734 =

Answer: ___

(1)

---

30 George has 88,165 cards. George is given 26,919 more and then gives away 94,555.

How many cards does George have now?

Answer: ___

(2)

---

31 Estimate 8,866 - 7,098 by rounding each number to the nearest 1,000 first.

Answer: ___

(2)

© Revision Library | revisionlibrary.co.uk

32 42822 + 6223 =

Answer: ___

(1)

---

33 Tom has 12 more marbles than Victor. Together they have 26 marbles.

How many marbles does Victor have?

Answer: ___

(2)

---

34 Estimate 9,458 + 8,420 by rounding each number to the nearest 1,000 first.

Answer: ___

(2)

---

35 Mateo has 35,922 coins. Mateo puts 34,902 aside and shares the rest equally between 2 friends.

How many coins does each friend get?

Answer: ___

(2)

© Revision Library | revisionlibrary.co.uk

36 Jade buys 5 comics at £3.01 each and 1 magnet at 79p each. Jade pays with £20.

How much change does Jade get?

Answer: £___

(2)

---

37 A museum had 4,500 visitors in May. In June there were 3,872 visitors. In July there were 4,213 visitors.

(a) How many visitors did the museum have in June and July together? **(1)**

.....

(b) How many more is that than in May? **(1)**

.....

---

38 Aaron has 21,194 stickers. Aaron puts 19,580 aside and shares the rest equally between 6 friends.

How many stickers does each friend get?

Answer: ___

(2)

---

39 The sum of 4 consecutive numbers is 206.

What is the smallest of the 4 numbers?

Answer: ___

(2)

© Revision Library | revisionlibrary.co.uk

40 A festival had 98,858 visitors on Saturday and 7,796 visitors on Sunday.

How many more visitors came on the busier day?

Answer: ___

(1)

---

41 A festival had 50,377 visitors in May and 62,492 visitors in June.

How many visitors did it have altogether?

Answer: ___

(2)

---

42 A car park has 39,424 spaces. 16,330 spaces are full and 583 are reserved.

How many spaces are free?

Answer: ___

(2)

---

43 Chloe has 11 more marbles than Yusuf. Together they have 35 marbles.

How many marbles does Yusuf have?

Answer: ___

(2)

© Revision Library | revisionlibrary.co.uk

44 97033 - 36475 =

Answer: ___

(1)

---

45 A library had 2,950 books. They bought 1,475 new books and removed 628 old books. How many books are now in the library?

(3)

---

46 A museum had 25,952 visitors on Saturday and 1,719 visitors on Sunday.

How many more visitors came on the busier day?

Answer: ___

(1)

---

47 George has 2,666 coins. George puts 2,085 aside and shares the rest equally between 7 friends.

How many coins does each friend get?

Answer: ___

(2)

© Revision Library | revisionlibrary.co.uk

48 Dev has 17 more marbles than Hassan. Together they have 51 marbles.

How many marbles does Hassan have?

Answer: ___

(2)

---

49 Estimate 8,304 - 4,491 by rounding each number to the nearest 1,000 first.

Answer: ___

(2)

---

50 A festival had 19,431 visitors in May and 84,475 visitors in June.

How many visitors did it have altogether?

Answer: ___

(2)

---

51 Callum has 63,562 marbles. Callum is given 5,227 more and then gives away 47,243.

How many marbles does Callum have now?

Answer: ___

(2)

© Revision Library | revisionlibrary.co.uk

Mark scheme · 2.3 Addition and Subtraction: Multi-Step Problems: 2-hour Pack

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

Question 1

5.22 seen	M1
£4.78 cao	A1

Answer: **£4.78**

Question 2

Correct subtraction 993 - 872 shown	M1
121 cao	B1

Answer: **121**

Question 3

column or mental method with not more than one error	M1
44259 cao	A1

Answer: **44259**

Question 4

uses the mean or tests numbers	M1
57 cao	A1

Answer: **57**

Question 5

25880 cao	B1

Answer: **25880**

Question 6

2,682 seen	M1
447 cao	A1

Answer: **447**

Question 7

120 seen	M1
20 cao	A1

Answer: **20**

Question 8

123,180 cao	B1

Answer: **123,180**

Question 9

114577 cao	B1

Answer: **114577**

Question 10

Correct addition/subtraction: 1,430 + 1,287 + 540 - 398	M1
Intermediate total computed correctly	M1
2,859 cao	B1

Answer: **2,859**

Question 11

0.54 seen	M1
total 10.58 seen	M1
£4.42 cao	A1

Answer: **£4.42**

Question 12

14,773 seen	M1
65,758 cao	A1

Answer: **65,758**

Question 13

subtraction method seen	M1
14,567 cao	A1

Answer: **14,567**

Question 14

91540 cao	B1

Answer: **91540**

Question 15

column or mental method with not more than one error	M1
16293 cao	A1

Answer: **16293**

Question 16

79,850 cao	B1

Answer: **79,850**

Question 17

addition method seen	M1
76,126 cao	A1

Answer: **76,126**

Question 18

68030 cao	B1

Answer: **68030**

Question 19

Shows 632 - 47 + 29 or equivalent	M1
614 cao	B1

Answer: **614**

Question 20

130440 cao	B1

Answer: **130440**

Question 21

column or mental method with not more than one error	M1
103725 cao	A1

Answer: **103725**

© Revision Library | revisionlibrary.co.uk

Question 22

1.90 seen	M1
total 21.42 seen	M1
£3.58 cao	A1

Answer: **£3.58**

Question 23

3774 cao	B1

Answer: **3774**

Question 24

2,000 and 5,000 seen	M1
7,000 cao	A1

Answer: **7,000**

Question 25

uses the mean or tests numbers	M1
25 cao	A1

Answer: **25**

Question 26

37,411 seen	M1
60,457 cao	A1

Answer: **60,457**

Question 27

12.55 seen	M1
total 16.04 seen	M1
£3.96 cao	A1

Answer: **£3.96**

Question 28

85 - 15 = 70 seen	M1
35 cao	A1

Answer: **35**

Question 29

195455 cao	B1

Answer: **195455**

Question 30

115,084 seen	M1
20,529 cao	A1

Answer: **20,529**

Question 31

9,000 and 7,000 seen	M1
2,000 cao	A1

Answer: **2,000**

Question 32

49045 cao	B1

Answer: **49045**

Question 33

26 - 12 = 14 seen	M1
7 cao	A1

Answer: **7**

Question 34

9,000 and 8,000 seen	M1
17,000 cao	A1

Answer: **17,000**

Question 35

1,020 seen	M1
510 cao	A1

Answer: **510**

Question 36

15.05 seen	M1
£4.16 cao	A1

Answer: **£4.16**

Question 37

(a) 8,085 cao	B1

(a) Answer: **8,085**

(b) 3,585 more cao	B1

(b) Answer: **3,585**

Question 38

1,614 seen	M1
269 cao	A1

Answer: **269**

Question 39

uses the mean or tests numbers	M1
50 cao	A1

Answer: **50**

Question 40

91,062 cao	B1

Answer: **91,062**

Question 41

addition method seen	M1
112,869 cao	A1

Answer: **112,869**

Question 42

16,913 seen	M1
22,511 cao	A1

Answer: **22,511**

Question 43

35 - 11 = 24 seen	M1
12 cao	A1

Answer: **12**

Question 44

60558 cao	B1

Answer: **60558**

© Revision Library | revisionlibrary.co.uk

Question 45

Shows 2,950 + 1,475 - 628	M1
Intermediate addition/subtraction correct	M1
3,797 cao	B1

Answer: **3,797**

Question 46

24,233 cao	B1

Answer: **24,233**

Question 47

581 seen	M1
83 cao	A1

Answer: **83**

Question 48

51 - 17 = 34 seen	M1
17 cao	A1

Answer: **17**

Question 49

8,000 and 4,000 seen	M1
4,000 cao	A1

Answer: **4,000**

Question 50

addition method seen	M1
103,906 cao	A1

Answer: **103,906**

Question 51

68,789 seen	M1
21,546 cao	A1

Answer: **21,546**

© Revision Library | revisionlibrary.co.uk