2.2 Addition and Subtraction: Written Methods: 2-hour Pack

Calculators not allowed · about 120 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 245 + 117 + 689 =

Answer: ___

(1)

---

2 Tom has 16 more marbles than Freya. Together they have 66 marbles.

How many marbles does Freya have?

Answer: ___

(2)

---

3 Kofi has 5,352 beads. Kofi puts 3,330 aside and shares the rest equally between 6 friends.

How many beads does each friend get?

Answer: ___

(2)

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4 9600 + 9093 =

Answer: ___

(1)

---

5 1712 + 6036 =

Answer: ___

(1)

---

6 Work out 5,000 - 1,208. Show the subtraction method you use.

(2)

---

7 Sofia has 11 more marbles than Layla. Together they have 43 marbles.

How many marbles does Layla have?

Answer: ___

(2)

---

8 5473 - 3593 =

Answer: ___

(2)

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9 Estimate 9,792 - 1,416 by rounding each number to the nearest 1,000 first.

Answer: ___

(2)

---

10 776 + 764 + 864 =

Answer: ___

(1)

---

11 Estimate 9,968 + 8,917 by rounding each number to the nearest 1,000 first.

Answer: ___

(2)

---

12 3757 + 5080 =

Answer: ___

(1)

---

13 Freya has 6,977 beads. Freya puts 4,826 aside and shares the rest equally between 9 friends.

How many beads does each friend get?

Answer: ___

(2)

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14 9880 + 2454 =

Answer: ___

(2)

---

15 Estimate 7,311 - 3,150 by rounding each number to the nearest 1,000 first.

Answer: ___

(2)

---

16 Estimate 6,707 + 4,253 by rounding each number to the nearest 1,000 first.

Answer: ___

(2)

---

17 Ethan has 24 more marbles than Grace. Together they have 48 marbles.

How many marbles does Grace have?

Answer: ___

(2)

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18 Dev has 8,138 coins. Dev is given 607 more and then gives away 7,855.

How many coins does Dev have now?

Answer: ___

(2)

---

19 9781 + 776 =

Answer: ___

(1)

---

20 6570 - 2081 =

Answer: ___

(1)

---

21 553 + 110 + 263 =

Answer: ___

(1)

---

22 Hassan has 27 more marbles than Jade. Together they have 105 marbles.

How many marbles does Jade have?

Answer: ___

(2)

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23 443 + 994 + 364 =

Answer: ___

(1)

---

24 Estimate 5,317 + 2,660 by rounding each number to the nearest 1,000 first.

Answer: ___

(2)

---

25 4076 + 6568 =

Answer: ___

(2)

---

26 6621 + 7584 =

Answer: ___

(1)

---

27 7271 - 218 =

Answer: ___

(1)

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28 Estimate 6,157 - 3,961 by rounding each number to the nearest 1,000 first.

Answer: ___

(2)

---

29 6379 + 9025 =

Answer: ___

(1)

---

30 4162 + 575 =

Answer: ___

(1)

---

31 187 + 177 + 150 =

Answer: ___

(1)

---

32 Priya had 3,250 stickers. She gave 485 to her friend and then bought 120 more. How many stickers does she have now?

(2)

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33 1973 - 1159 =

Answer: ___

(1)

---

34 Estimate 9,612 + 3,912 by rounding each number to the nearest 1,000 first.

Answer: ___

(2)

---

35 5838 + 9370 =

Answer: ___

(1)

---

36 Grace has 4 boxes with 707 coins in each box and 2,714 loose coins.

How many coins does Grace have altogether?

Answer: ___

(2)

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37 Lily has 7 boxes with 4,354 beads in each box and 3,211 loose beads.

How many beads does Lily have altogether?

Answer: ___

(2)

---

38 3561 + 7897 =

Answer: ___

(2)

---

39 Estimate 5,010 - 3,259 by rounding each number to the nearest 1,000 first.

Answer: ___

(2)

---

40 9647 - 1960 =

Answer: ___

(1)

---

41 A small library has 4,100 books. They buy another box of 325 books and remove 210 old books. How many books are in the library now?

(2)

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42 Kiran has 1,376 coins. Kiran puts 383 aside and shares the rest equally between 3 friends.

How many coins does each friend get?

Answer: ___

(2)

---

43 A festival had 2,938 visitors in May and 2,905 visitors in June.

How many visitors did it have altogether?

Answer: ___

(2)

---

44 Femi has 3,178 cards. Femi puts 1,337 aside and shares the rest equally between 7 friends.

How many cards does each friend get?

Answer: ___

(2)

---

45 Estimate 8,043 - 4,016 by rounding each number to the nearest 1,000 first.

Answer: ___

(2)

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46 Ravi has 20 more marbles than Jack. Together they have 66 marbles.

How many marbles does Jack have?

Answer: ___

(2)

---

47 3227 - 3076 =

Answer: ___

(2)

---

48 Grace has 3,284 cards. Grace is given 2,822 more and then gives away 2,159.

How many cards does Grace have now?

Answer: ___

(2)

---

49 6722 + 7677 =

Answer: ___

(2)

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50 Priya has 3 boxes with 2,552 cards in each box and 6,709 loose cards.

How many cards does Priya have altogether?

Answer: ___

(2)

---

51 Work out the difference between 6,010 and 2,478.

(2)

---

52 Estimate 7,987 - 3,502 by rounding each number to the nearest 1,000 first.

Answer: ___

(2)

---

53 418 + 584 + 785 =

Answer: ___

(1)

---

54 9553 - 8590 =

Answer: ___

(2)

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55 4407 + 7427 =

Answer: ___

(1)

---

56 Estimate 5,666 - 4,531 by rounding each number to the nearest 1,000 first.

Answer: ___

(2)

---

57 327 + 138 + 148 =

Answer: ___

(1)

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Mark scheme · 2.2 Addition and Subtraction: Written Methods: 2-hour Pack

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

Question 1

1051 cao — **B1**

Answer: **1051**

Question 2

66 - 16 = 50 seen — **M1**

25 cao — **A1**

Answer: **25**

Question 3

2,022 seen — **M1**

337 cao — **A1**

Answer: **337**

Question 4

18693 cao — **B1**

Answer: **18693**

Question 5

7748 cao — **B1**

Answer: **7748**

Question 6

correct column subtraction layout with borrowing shown (e.g. borrowing across zeros) — **M1**

3,792 cao — **A1**

Answer: **3,792**

Question 7

43 - 11 = 32 seen — **M1**

16 cao — **A1**

Answer: **16**

Question 8

column or mental method with not more than one error — **M1**

1880 cao — **A1**

Answer: **1880**

Question 9

10,000 and 1,000 seen — **M1**

9,000 cao — **A1**

Answer: **9,000**

Question 10

2404 cao — **B1**

Answer: **2404**

Question 11

10,000 and 9,000 seen — **M1**

19,000 cao — **A1**

Answer: **19,000**

Question 12

8837 cao — **B1**

Answer: **8837**

Question 13

2,151 seen — **M1**

239 cao — **A1**

Answer: **239**

Question 14

column or mental method with not more than one error — **M1**

12334 cao — **A1**

Answer: **12334**

Question 15

7,000 and 3,000 seen — **M1**

4,000 cao — **A1**

Answer: **4,000**

Question 16

7,000 and 4,000 seen — **M1**

11,000 cao — **A1**

Answer: **11,000**

Question 17

48 - 24 seen — **M1**

12 cao — **A1**

Answer: **12**

Question 18

8,745 seen — **M1**

890 cao — **A1**

Answer: **890**

Question 19

10557 cao — **B1**

Answer: **10557**

Question 20

4489 cao — **B1**

Answer: **4489**

Question 21

926 cao — **B1**

Answer: **926**

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Question 22

105 - 27 = 78 seen **M1**

39 cao **A1**

Answer: **39**

Question 23

1801 cao **B1**

Answer: **1801**

Question 24

5,000 and 3,000 seen **M1**

8,000 cao **A1**

Answer: **8,000**

Question 25

column or mental method with not more than one error **M1**

10644 cao **A1**

Answer: **10644**

Question 26

14205 cao **B1**

Answer: **14205**

Question 27

7053 cao **B1**

Answer: **7053**

Question 28

6,000 and 4,000 seen **M1**

2,000 cao **A1**

Answer: **2,000**

Question 29

15404 cao **B1**

Answer: **15404**

Question 30

4737 cao **B1**

Answer: **4737**

Question 31

514 cao **B1**

Answer: **514**

Question 32

correct two-step working shown (subtract 485 then add 120 or combine steps correctly) **M1**

2,885 cao **A1**

Answer: **2,885**

Question 33

814 cao **B1**

Answer: **814**

Question 34

10,000 and 4,000 seen **M1**

14,000 cao **A1**

Answer: **14,000**

Question 35

15208 cao **B1**

Answer: **15208**

Question 36

4 x 707 = 2,828 seen **M1**

5,542 cao **A1**

Answer: **5,542**

Question 37

7 x 4,354 = 30,478 seen **M1**

33,689 cao **A1**

Answer: **33,689**

Question 38

column or mental method with not more than one error **M1**

11458 cao **A1**

Answer: **11458**

Question 39

5,000 and 3,000 seen **M1**

2,000 cao **A1**

Answer: **2,000**

Question 40

7687 cao **B1**

Answer: **7687**

Question 41

correct two-step method shown (4,100 + 325 then -210 or equivalent) **M1**

4,215 cao **A1**

Answer: **4,215**

Question 42

993 seen **M1**

331 cao **A1**

Answer: **331**

Question 43

addition method seen **M1**

5,843 cao **A1**

Answer: **5,843**

Question 44

1,841 seen **M1**

263 cao **A1**

Answer: **263**

Question 45

8,000 and 4,000 seen **M1**

4,000 cao **A1**

Answer: **4,000**

Question 46

66 - 20 = 46 seen **M1**

23 cao **A1**

Answer: **23**

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Question 47

column or mental method with not more than one error **M1**

151 cao **A1**

Answer: **151**

Question 48

6,106 seen **M1**

3,947 cao **A1**

Answer: **3,947**

Question 49

column or mental method with not more than one error **M1**

14399 cao **A1**

Answer: **14399**

Question 50

3 x 2,552 = 7,656 seen **M1**

14,365 cao **A1**

Answer: **14,365**

Question 51

correct column subtraction with borrowing shown **M1**

3,532 cao **A1**

Answer: **3,532**

Question 52

8,000 and 4,000 seen **M1**

4,000 cao **A1**

Answer: **4,000**

Question 53

1787 cao **B1**

Answer: **1787**

Question 54

column or mental method with not more than one error **M1**

963 cao **A1**

Answer: **963**

Question 55

11834 cao **B1**

Answer: **11834**

Question 56

6,000 and 5,000 seen **M1**

1,000 cao **A1**

Answer: **1,000**

Question 57

613 cao **B1**

Answer: **613**

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