2.2 Addition and Subtraction: Written Methods: Test Pack

Total Marks

Calculators not allowed · about 60 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Work out 3,487 + 1,206.

(1)

2 3453 + 6038 =

Answer: ___

(1)

3 847 + 685 + 863 =

Answer: ___

(1)

4 Explain why 3,405 + 595 = 4,000. You may show working or write a sentence to justify your answer.

(2)

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5 9848 - 1568 =

Answer: ___

(1)

---

6 Mia has 8,520 stickers. Mia is given 458 more and then gives away 3,128.

How many stickers does Mia have now?

Answer: ___

(2)

---

7 Ethan has 8 boxes with 904 marbles in each box and 7,266 loose marbles.

How many marbles does Ethan have altogether?

Answer: ___

(2)

---

8 7810 + 8730 =

Answer: ___

(1)

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9 A festival had 2,562 visitors on Saturday and 6,722 visitors on Sunday.

How many more visitors came on the busier day?

Answer: ___

(2)

---

10 8093 - 6796 =

Answer: ___

(2)

---

11 Three lengths of ribbon are 1,250 cm, 430 cm and 315 cm. Work out the total length of ribbon.

(2)

---

12 Greater depth question. Two friends share 4,000 points. Aisha gets 1,275 points and Ben gets twice as many as Aisha. They give the remaining points to Carla. How many points does Carla get? Show your working and explain your steps.

(3)

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13 5461 + 6702 =

Answer: ___

(1)

---

14 560 + 630 + 959 =

Answer: ___

(1)

---

15 160 + 830 + 668 =

Answer: ___

(1)

---

16 A museum had 6,131 visitors on Saturday and 9,931 visitors on Sunday.

How many more visitors came on the busier day?

Answer: ___

(2)

---

17 5848 + 9467 =

Answer: ___

(1)

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18 Isla has 22 more marbles than Jade. Together they have 80 marbles.

How many marbles does Jade have?

Answer: ___

(2)

---

19 Find the missing number: ? + 647 = 2,013

(1)

---

20 Priya has 3,135 beads. Priya puts 2,257 aside and shares the rest equally between 2 friends.

How many beads does each friend get?

Answer: ___

(2)

---

21 2652 + 5660 =

Answer: ___

(1)

---

22 Complete the sentence: 2,000 - ? = 1,243

(1)

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23 Sofia has 27 more marbles than Willow. Together they have 69 marbles.

How many marbles does Willow have?

Answer: ___

(2)

---

24 Estimate 5,169 - 4,280 by rounding each number to the nearest 1,000 first.

Answer: ___

(2)

---

25 A car park has 9,143 spaces. 6,928 spaces are full and 771 are reserved.

How many spaces are free?

Answer: ___

(2)

---

26 Estimate 2,442 + 6,318 by rounding each number to the nearest 1,000 first.

Answer: ___

(2)

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27 A zoo had 3,087 visitors on Saturday and 6,791 visitors on Sunday.

How many more visitors came on the busier day?

Answer: ___

(2)

---

28 7941 + 5984 =

Answer: ___

(1)

---

29 A stadium had 6,847 fans on Saturday and 2,567 fans on Sunday.

How many more fans came on the busier day?

Answer: ___

(1)

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Mark scheme · 2.2 Addition and Subtraction: Written Methods: Test Pack

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

Question 1

4,693 cao — **B1**

Answer: **4,693**

Question 2

9491 cao — **B1**

Answer: **9491**

Question 3

2395 cao — **B1**

Answer: **2395**

Question 4

correct working shown, e.g. 3,405 + 595 = 3,405 + 600 - 5 = 4,005 - 5 — **M1**

clear statement that the total is 4,000 cao — **A1**

Answer: **3,405 + 595 = 4,000**

Question 5

8280 cao — **B1**

Answer: **8280**

Question 6

8,978 seen — **M1**

5,850 cao — **A1**

Answer: **5,850**

Question 7

8 x 904 = 7,232 seen — **M1**

14,498 cao — **A1**

Answer: **14,498**

Question 8

16540 cao — **B1**

Answer: **16540**

Question 9

subtraction method seen — **M1**

4,160 cao — **A1**

Answer: **4,160**

Question 10

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

1297 cao — **A1**

Answer: **1297**

Question 11

correct addition of three lengths — **M1**

1,995 cm cao — **A1**

Answer: **1,995 cm**

Question 12

correct calculation of Ben's points as twice Aisha (1,275 x 2 = 2,550) or equivalent shown — **M1**

correct subtraction to find remaining points: 4,000 - (1,275 + 2,550) or equivalent — **M1**

175 cao with a clear explanation — **A1**

Answer: **175**

Question 13

12163 cao — **B1**

Answer: **12163**

Question 14

2149 cao — **B1**

Answer: **2149**

Question 15

1658 cao — **B1**

Answer: **1658**

Question 16

subtraction method seen — **M1**

3,800 cao — **A1**

Answer: **3,800**

Question 17

15315 cao — **B1**

Answer: **15315**

Question 18

80 - 22 = 58 seen — **M1**

29 cao — **A1**

Answer: **29**

Question 19

1,366 cao — **B1**

Answer: **1,366**

Question 20

878 seen — **M1**

439 cao — **A1**

Answer: **439**

Question 21

8312 cao — **B1**

Answer: **8312**

Question 22

757 cao — **B1**

Answer: **757**

Question 23

69 - 27 = 42 seen — **M1**

21 cao — **A1**

Answer: **21**

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Question 24

5,000 and 4,000 seen	M1
1,000 cao	A1

Answer: **1,000**

Question 25

7,699 seen	M1
1,444 cao	A1

Answer: **1,444**

Question 26

2,000 and 6,000 seen	M1
8,000 cao	A1

Answer: **8,000**

Question 27

subtraction method seen	M1
3,704 cao	A1

Answer: **3,704**

Question 28

13925 cao	B1

Answer: **13925**

Question 29

4,280 cao	B1

Answer: **4,280**

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