



KS2.M-Y4N2 Addition and Subtraction: Written Methods

Calculators not allowed · about 50 minutes

Total Marks

Name: _____ Date: ____ / ____ / ____

Answer ALL questions. Show all your working.

1 Work out $3,487 + 1,206$.

(1)

2 Work out $4,200 - 357$.

(1)

3 Work out $2,789 + 1,456 + 305$ using a column method.

(2)

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

(2)

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

(1)

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

(1)

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

(2)

- 8** 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)

- 9** Work out the difference between 6,010 and 2,478.

(2)

- 10** Add $1,200 + 2,030 + 470$.

(1)

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

(2)

- 12** Sofia had 2,300 ml of orange squash. She poured 675 ml into bottles and later drank 125 ml. How much orange squash does she have left? Show your working.

(2)

- 13** A school bought 1,250 pencils and 985 pens. Later they used 397 items altogether. How many writing items remain? Show your working.

(3)

- 14** Find the number x so that $x + 1,345 = 2,000$.

(2)

- 15** A baker made 3,760 biscuits. She packed them into boxes of 250 biscuits. She filled 10 boxes and left the rest in a tray. How many biscuits are left in the tray?

(2)

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

(2)

- 17** Oliwia had 2,050 g of flour. She used 765 g for cakes and then used another 430 g for cookies. How much flour is left?

(2)

- 18** 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)

Mark scheme · KS2.M-Y4N2 Addition and Subtraction: Written Methods

Question 1

- **B1** 4,693 cao
- Answer: **4,693**

Question 2

- **B1** 3,843 cao
- Answer: **3,843**

Question 3

- **M1** correct column addition layout and evidence of carrying (e.g. $9+6+5 = 20$, write 0 carry 2)
- **A1** 4,550 cao
- Answer: **4,550**

Question 4

- **M1** correct column subtraction layout with borrowing shown (e.g. borrowing across zeros)
- **A1** 3,792 cao
- Answer: **3,792**

Question 5

- **B1** 1,366 cao
- Answer: **1,366**

Question 6

- **B1** 757 cao
- Answer: **757**

Question 7

- **M1** correct two-step working shown (subtract 485 then add 120 or combine steps correctly)
- **A1** 2,885 cao
- Answer: **2,885**

Question 8

- **M1** correct two-step method shown ($4,100 + 325$ then -210 or equivalent)
- **A1** 4,215 cao
- Answer: **4,215**

Question 9

- **M1** correct column subtraction with borrowing shown
- **A1** 3,532 cao
- Answer: **3,532**

Question 10

- **B1** 3,700 cao
- Answer: **3,700**

Question 11

- **M1** correct working shown, e.g. $3,405 + 595 = 3,405 + 600 - 5 = 4,005 - 5$
- **A1** clear statement that the total is 4,000 cao
- Answer: **$3,405 + 595 = 4,000$**

Question 12

- **M1** correct calculation shown ($2,300 - 675 - 125$ or $2,300 - 800 + 25$) or equivalent
- **A1** 1,500 ml cao
- **Answer: 1,500 ml**

Question 13

- **M1** correct addition of pencils and pens to find total ($1,250 + 985 = 2,235$)
- **M1** correct subtraction of used items ($2,235 - 397 = 1,838$)
- **A1** 1,838 cao
- **Answer: 1,838**

Question 14

- **M1** correct subtraction to find x ($2,000 - 1,345$)
- **A1** 655 cao
- **Answer: 655**

Question 15

- **M1** correct calculation of biscuits packed: $10 \times 250 = 2,500$ and subtraction shown
- **A1** 1,260 cao
- **Answer: 1,260**

Question 16

- **M1** correct addition of three lengths
- **A1** 1,995 cm cao
- **Answer: 1,995 cm**

Question 17

- **M1** correct subtraction in two steps or combined ($2,050 - 765 - 430$)
- **A1** 855 g cao
- **Answer: 855 g**

Question 18

- **M1** correct calculation of Ben's points as twice Aisha ($1,275 \times 2 = 2,550$) or equivalent shown
- **M1** correct subtraction to find remaining points: $4,000 - (1,275 + 2,550)$ or equivalent
- **A1** 175 cao with a clear explanation
- **Answer: 175**