



KS2.M-Y3N2 Addition and Subtraction to 1000

Calculators not allowed · about 50 minutes

Total Marks

Name: _____ Date: ____ / ____ / ____

Answer ALL questions. Show all your working.

- 1** Work out $342 + 117$.

(1)

- 2** Add 476 and 389 using a written method.

(2)

- 3** Calculate $803 - 215$.

(1)

- 4** Work out $602 - 347$ using a written method.

(2)

- 5** Fill in the missing number: $? + 378 = 800$

(1)

6 Charlie adds 245 to 167 and then adds 89. What is his final total?

(2)

7 Emma has 900 pence saved. She spends 467 pence and then 123 pence. How much does she have left?

(2)

8 Complete the column addition. 1) $358 + 424 =$
2) $295 + 186 =$

(2)

9 Which is greater? Explain your answer. $476 + 123$ or $500 + 100$

(2)

10 What is the difference between 700 and 645?

(1)

11 Sofia buys a book for 249 pence, a pencil case for 137 pence and a poster for 94 pence. How much does she spend altogether? If she pays with 600 pence, how much change should she get?

(3)

12 Complete the sequence by adding 50 each time: 150, __, __, 300

(1)

13 Estimate by rounding to the nearest 10, then calculate: Round 267 and 389 to the nearest 10 and add the rounded numbers. Finally, give the exact total of $267 + 389$.

(2)

14 Use partitioning to add $423 + 256$. Show your working.

(2)

15 A classroom has 3 boxes of crayons. Each box holds 278 crayons. How many crayons are there in all? Show a written method.

(3)

16 Explain why $700 - 299 = 401$. Give a short written reason.

(2)

17 True or false? $345 + 456 = 801$. Tick the correct answer and write one line to show why.

- ☐ True
☐ False

- 18** Three friends collect stickers. Maya has 312, Yusuf has 278 and Priya has 145. How many stickers do they have altogether? How many more stickers do Maya and Yusuf have together than Priya?

(3)

Mark scheme · KS2.M-Y3N2 Addition and Subtraction to 1000

Question 1

- **B1** 459 cao
- Answer: **459**

Question 2

- **M1** Correct column addition method shown with ones total 15 leading to carry of 1 or equivalent working
- **B1** 865 cao
- Answer: **865**

Question 3

- **B1** 588 cao
- Answer: **588**

Question 4

- **M1** Correct subtraction with exchanging between tens and hundreds (e.g. showing 10 tens → 1 hundred exchanged) or equivalent method
- **B1** 255 cao
- Answer: **255**

Question 5

- **B1** 422 cao
- Answer: **422**

Question 6

- **M1** Correct intermediate sum $245 + 167 = 412$ seen or equivalent
- **B1** 501 cao
- Answer: **501**

Question 7

- **M1** Correct subtraction $900 - 467 = 433$ or shown as intermediate step
- **B1** 310 cao
- Answer: **310**

Question 8

- **B1** 782 cao for $358 + 424$
- **B1** 481 cao for $295 + 186$
- Answer: **1) 782; 2) 481**

Question 9

- **M1** Correct calculation or comparison shown for at least one sum ($476 + 123 = 599$ or $500 + 100 = 600$)
- **B1** Answer that $500 + 100$ is greater with correct explanation ($600 > 599$) or
- Answer: **500 + 100 is greater because 600 > 599**

Question 10

- **B1** 55 cao
- Answer: **55**

Question 11

- **M1** Correct total spend shown, e.g. $249 + 137 + 94 = 480$
- **M1** Correct subtraction for change shown, e.g. $600 - 480 = 120$
- **B1** 120 pence change cao
- Answer: **She spends 480 pence and gets 120 pence change**

Question 12

- **B1** 200, 250 cao
- Answer: **200, 250**

Question 13

- **M1** Correct rounded addition shown: $270 + 390 = 660$
- **B1** Exact total 656 cao
- Answer: **Rounded sum 660; exact total 656**

Question 14

- **M1** Partitioning shown, e.g. $423 + 200 = 623$, then $+50 = 673$, then $+6 = 679$
- **B1** 679 cao
- Answer: **679**

Question 15

- **M1** Correct method shown (either $278 + 278 + 278$ or 278×3 with partial products)
- **M1** Intermediate correct sum seen, e.g. 556 and then $+278$ or $278 \times 3 = 834$ working
- **B1** 834 cao
- Answer: **834**

Question 16

- **M1** Shows method using exchanging or complements, e.g. $700 - 300 = 400$ then add 1 because only 299 subtracted
- **B1** Answer stating 401 with correct explanation cao
- Answer: **$700 - 299 = 401$ because $700 - 300 = 400$ and we subtracted 1 too many, so add 1 to make 401**

Question 17

- **B1** Tick True and show brief calculation $345 + 456 = 801$ or equivalent cao
- Answer: **True; $345 + 456 = 801$**

Question 18

- **M1** Correct total of all three shown, e.g. $312 + 278 + 145 = 735$
- **M1** Correct total for Maya and Yusuf shown, e.g. $312 + 278 = 590$
- **B1** Answer 735 for total and 445 ($590 - 145$) for difference cao
- Answer: **All together 735; Maya and Yusuf have 445 more stickers than Priya**