Westminster School Challenge

Mental Test

5 minutes

There are five questions in this test.
Each question will be read twice. You will then be given an appropriate time to record your answer.
No other repetitions or explanations will be given

THESE QUESTIONS ARE TO BE DONE MENTALLY.
YOU MAY NOT DO ANY ROUGH WORKING.
WRITE YOUR ANSWERS IN THE BOXES PROVIDED.
DO NOT WRITE ANYTHING ELSE ON THE ANSWER PAPER.

1   Subtract eighty-seven from two hundred and thirteen.

2   Calculate seventy-eight divided by six.

3   What is two thousand and eighteen multiplied by five?

4   What is forty percent of four pounds fifty pence?

5   What is two-and-a-half, divided by one eighth?

Westminster School Challenge

Calculation Test

10 minutes

ANSWER EACH QUESTION IN THE SPACE PROVIDED.
SHOW ALL YOUR WORKING.

1   Calculate 2018 – 1082.

Answer **1**

2   What is 51·3 ÷ 1·8?

Answer **2**

3   Calculate, in its lowest terms, $\dfrac{27}{35} - \dfrac{8}{15}$

Answer **3**

4   You are given the five numbers
     1, 2, 3, 4, 5.
What is the difference between the sum of the cubes of
these numbers, and the square of the sum of the numbers?

Answer **4**

TURN OVER

5   What is the remainder when 4000 is divided by 17?

Answer **5**

6   What is £4·25 as a percentage of £6·25?

Answer **6**

7   Given that $43^2 = 1849$, calculate $0·43^2$?

Answer **7**

In question **8**, you will find the information in question **7** useful.

8   Given that $9 \times 1849 = 16641$, calculate $\sqrt{166·41}$

Answer **8**

Westminster School Challenge 2018

Mental Test

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THESE QUESTIONS ARE TO BE DONE MENTALLY.
YOU MAY NOT DO ANY ROUGH WORKING.
Write your answers in the boxes provided.
Write your name and candidate number at the top of the page.
DO NOT WRITE ANYTHING ELSE ON THIS ANSWER PAPER.

1	
2	
3	
4	
5	