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 What is nine times eight?

2 Subtract one hundred and twelve from three hundred and five.

3 What is seventeen, as a percentage of twenty-five?

4 What is three quarters of fourteen?

5 Six tickets cost fifteen pounds sixty pence. What does each cost?

Westminster School Challenge

Calculation Test

10 minutes

Name

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

1 Calculate $12^2 - 11^2 + 10^2 - 9^2 + 8^2$.

Answer **1**

2 Write $\sqrt{\frac{336}{756}}$ as a fraction in its lowest terms.

Answer **2**

3 Increase £7·50 by 16%.

Answer **3**

4 The area of a triangle is 133 cm^2. The base of the triangle is 14 cm.
What is its height?

Answer **4**

TURN OVER

5 What is $3\frac{1}{4} - 1\frac{2}{3}$?

Answer **5**

6 You are given that $19^3 = 6859$.
What is $0{\cdot}19^3$?

Answer **6**

7 Calculate 13×31.

Answer **7**

8 Calculate $13 \times 31 + 26 \times 62$.

Answer **8**

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Mental Test

Name

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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	