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 fifty-seven from one thousand and twenty-three.

2 If you cycle at eighteen kilometres per hour for an hour and twenty minutes, how far will you have cycled?

3 What is fifty six divided by sixteen?

4 Write the fraction five eighths as a decimal.

5 What is zero point four times zero point one five?

Westminster School Challenge

Calculation Test

10 minutes

Name

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

1 Calculate $1 - 2 + 3 - 4 \times 5 + 6 \times 7 \div 8$.

Answer **1**

2 What is the largest square number which is a factor of 2016?

Answer **2**

3 *N* circles of radius 6 cm have the same area as four circles of radius 15 cm.
What is the value of *N*?

Answer **3**

4 Calculate $9 \times 48 \times 11$

Answer **4**

TURN OVER

5 What is $5\frac{1}{6} - \frac{3}{4} \times 4\frac{2}{3}$?

Answer **5**

6 Given that $25^3 = 15625$, find 0·015625 as a fraction in its lowest terms.

Answer **6**

7 What is the remainder when 2016 is divided by 45?

Answer **7**

8 The price of a book decreases from £20·25 to £17·82.
What percentage reduction is this?

Answer **8**

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Mental Test

Name

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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	