Westminster School Challenge 2023

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 one hundred and thirty-eight plus two hundred and twenty-three?

2   What is thirty-seven times fifteen?

3   What is twelve percent of twenty?

4   What is three fifths of fifteen sevenths?

5   What is one point five minus zero point six four?

Westminster School Challenge

Calculation Test 2023

10 minutes

Name

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

1   What is the remainder when 4026 is divided by 13?

Answer **1**

2   What is $1865 \div 5 - 186$?

Answer **2**

3   Decrease 18 by 85%. Give your answer as a decimal.

Answer **3**

4   Work out $5\frac{1}{3} - 2\frac{1}{4} \div 1\frac{1}{3}$.

Answer **4**

TURN OVER

5 A cat sanctuary has 38.5 kg of tuna.
If the cats eat 0.4 kg of tuna per hour, how long will it be before
the sanctuary has 32.1 kg of tuna left?

Answer **5**

6 A triangle has area 630 cm and height 5.25 cm. What is its base length?

Answer **6**

7 I buy 13 snakes from Rotten Ralph for £54 each. He gives me a
discount of 8% on two of them, as their teeth are damaged. How
much change do I get from the £800 I pay him?

Answer **7**

8 What is $7 \times 7 \times 7 \times 7 \times 2$?

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	