

Westminster School Challenge

Mental Test 2022

THIS PAGE SHOULD NOT BE GIVEN TO CANDIDATES

Instructions to examiner:

There are five questions in this test.
Read each question **twice**.
Then give candidates **30 seconds** to record their answer.
No other repetitions or explanations will be given.

Before starting the test read the following instructions to candidates:

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.
EACH QUESTION WILL BE READ TWICE AND THEN YOU WILL BE GIVEN AN APPROPRIATE TIME TO RECORD YOUR ANSWER.

Questions:

- 1 If you bought three lollies at sixty-eight pence each, how much change would you get from a five pound note?
- 2 What is seventeen, as a percentage of twenty?
- 3 Subtract sixty-six from three hundred and twenty-seven.
- 4 What is nought point eight squared?
- 5 Find the sum of two fifths and two twenty-fifths.

Westminster School Challenge

Mental Test

Answer Sheet

Name

Each question will be read TWICE. You will then be given an appropriate amount of 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.

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	

Westminster School Challenge

Calculation Test

10 minutes

Name

ANSWER EACH QUESTION IN THE SPACE PROVIDED.

1 Calculate $1672 - 518 + 187$

Answer 1

2 What is the remainder when 3106 is divided by 12?

Answer 2

3 Increase 13 by 5%. Give your answer as a decimal.

Answer 3

4 Find $156 \div 0.12$

Answer 4

TURN OVER

5 Calculate $3\frac{1}{7} \times \frac{1}{2} - 1\frac{3}{4}$.

Answer 5

6 Write the fraction $\frac{1530}{2022}$ in its simplest form.

Answer 6

7 A rectangle has area 272 cm^2 and one side is 16 cm. Find its perimeter.

Answer 7

8 Given that 4913 is an exact cube, find its cube root.

Answer 8