

Westminster School Challenge

Mental Test 2021

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 Subtract seventy-three from two hundred and sixty-two.
- 2 A car drives at thirty kilometres per hour for an hour and forty-five minutes. How far does it travel?
- 3 What is five sixths of nine?
- 4 What is five, as a percentage of eight?
- 5 What is the sum of five sevenths and five fourteenths?

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

Name

Calculation Test

10 minutes

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

1 Calculate $1234 + 567 + 89$

Answer 1

2 Divide 4511 by 13.

Answer 2

3 A car originally worth £20,000 drops in value by 15%.
How much is it now worth?

Answer 3

4 Two numbers sum to 2021 and multiply to give 22110.
What are the two numbers?

Answer 4

TURN OVER

5 What is $3\frac{1}{10} - 2\frac{4}{7} \div 1\frac{1}{14}$?

Answer 5

6 Look at this calculation: $424 \times 19 = 8056$

Write down the value of $80 \cdot 56 \div 190$

Answer 6

7 A triangle has area $0 \cdot 12 \text{ cm}^2$. The height of the triangle is $0 \cdot 3 \text{ cm}$.

What is the length of the base of the triangle, in cm?

Answer 7

8 The two shorter sides of a right-angled triangle are 8 cm and 10 cm in length.

Find, correct to the nearest whole number, the length of the hypotenuse.

Answer 8