



Annual Examinations for Middle Schools 2024

YEAR 7

MATHEMATICS
Non-Calculator Paper

TIME: 20 minutes

Name: _____

Class: _____

Mark

INSTRUCTIONS TO CANDIDATES

- **Answer ALL questions.**
- **This paper carries a total of 20 marks.**
 - **Questions 1 to 10 carry 1 mark each.**
 - **Questions 11 to 15 carry 2 marks each.**
- **Calculators and protractors are NOT ALLOWED.**

Questions 1 to 10 carry 1 mark each.

1.

Work out: $\frac{1}{5}$ of 15.5

Ans: _____

2.

Estimate: 289×98

Ans: _____

3.

Work out: $33.42 + 17.5 + 8.169$

Ans: _____

4.

Change 14% as a decimal.

Ans: _____

5.

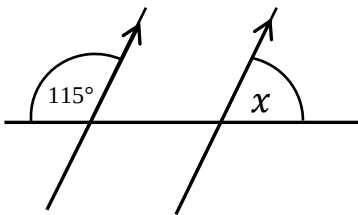
Continue the number pattern:

7.5 7.25 7 6.75 _____

6.

Simplify: $7s \times 6t$

Ans: _____

7.	Find the least common multiple of 15 and 20.	Ans: _____
8.	Work out: $-3 + (-10)$	Ans: _____
9.	Convert 7.26 litres to millilitres.	Ans: _____
10.	The temperature in Malta is 26°C while the temperature in Greenland is -3°C . Calculate the difference between the two temperatures.	Ans: _____
Questions 11 to 15 carry 2 marks each. All necessary working must be shown.		
11.	Work out the size of the angle marked x.  Diagram not drawn to scale	Ans: _____

12.	Work out the probability of picking at random prime numbers from the set: 1, 2, 4, 5, 8, 9, 13, 15, 22 and 29 Give your answer as a fraction in its lowest terms. Ans: _____
13.	Work out: $4^3 - 8^2$ Ans: _____
14.	Work out: $\frac{3}{7} + \frac{2}{5}$ Ans: _____
15.	Work out the input. INPUT → × 4 → + 7 → OUTPUT 59 Ans: _____

End of Non-Calculator Paper