



Annual Examinations for Middle Schools 2024

YEAR 8

MATHEMATICS
Non-Calculator Paper

TIME: 20 minutes

Name: _____ Class: _____

Mark

INSTRUCTIONS TO CANDIDATES

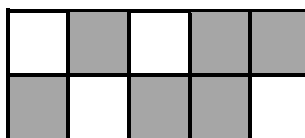
- **Answer all questions.**
- **This paper carries a total of 20 marks.**
 - **Questions 1 to 10 carry 1 mark each.**
 - **Questions 11 to 15 carry 2 marks each.**
- **Calculators and protractors are NOT ALLOWED.**

Questions 1 to 10 carry 1 mark each

1. What is the sum of the first three prime numbers?

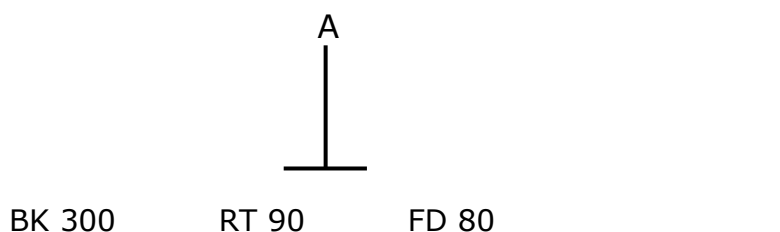
Ans: _____

2. What percentage of the shape is NOT shaded?



Ans: _____

3. Write down the next LOGO command to draw this shape starting from A.



4. Continue the sequence.

2, 5, 9, 14, 20, _____

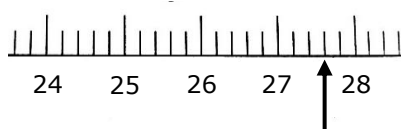
5. Work out: $15 + 4 \times -3$

Ans: _____

6. Expand: $4(3x - 8)$

Ans: _____

7. The arrow shows the mass of a box, in kg. What is the mass of the box?



Ans: _____

13.	Five kilograms of grapes cost €6.50. How much do twenty kilograms cost? Ans: _____
14.	Calculate the value of <i>d</i>. <pre> graph LR A((d)) --> B(÷ 6) B --> C(+ 3) C --> D((-9)) </pre> Ans: _____
15.	Work out: $4\frac{1}{6} \times \frac{3}{5}$ Ans: _____

END OF NON-CALCULATOR PAPER