



FORM 4

MATHEMATICS
Non-Calculator Paper

TIME: 20 minutes

Mark

DO NOT WRITE ABOVE THIS LINE

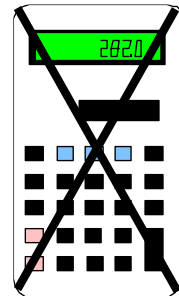
Name: _____

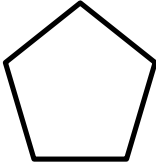
Class: _____

INSTRUCTIONS TO CANDIDATES:

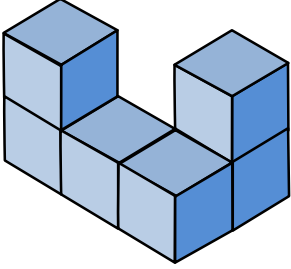
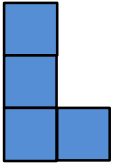
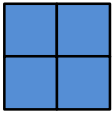
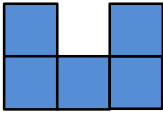
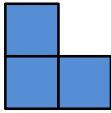
Read all the questions carefully before you start answering.

- Answer all questions.
- This paper carries 20 marks.
- **Calculators, protractors** and other mathematical instruments are **NOT ALLOWED**.
- On your desk you should have nothing except for **pen, pencil, ruler** and the **examination paper**.
- You are not required to show your working. However, space for working is provided if you need it.



| No. | Question | Space for working, if required. |
|-----|---|---------------------------------|
| 1 | Work out: $\sqrt{81}$ Answer: _____ | |
| 2 | Work out a rough estimate for: 78×1.9 Answer: _____ | |
| 3 | Write in order, from smallest to largest: $9.78, 12, 4$ Answer: _____, _____, _____ | |
| 4 | Work out: 2.25×100 Answer: _____ | |
| 5 | If the height of a 10 year old boy is 100 cm, which is the best estimate for the height of his father? A) 80 cm B) 100 cm C) 170 cm D) 270 cm Answer: _____ | |
| 6 | Work out: $5432 - 200$ Answer: _____ | |
| 7 | How many lines of symmetry does a regular pentagon have?  Answer: _____ | |

| | | |
|----|--|--|
| 8 | <p>Which number is half way between 4.3 and 4.4?</p> <p style="text-align: right;">Answer: _____</p> | |
| 9 | <p>Which of these is a common factor of 10 and 20:</p> <p>A) 4</p> <p>B) 5</p> <p>C) 6</p> <p>D) 7</p> <p style="text-align: right;">Answer: _____</p> | |
| 10 | <p>Work out: $124 \div 4$</p> <p style="text-align: right;">Answer: _____</p> | |
| 11 | <p>Work out the value of $x + 5$, when $x = -3$.</p> <p style="text-align: right;">Answer: _____</p> | |
| 12 | <p>Peter has a rope of length 1.3 m. He cuts off 60 cm from it. What is the new length of the rope?</p> <p style="text-align: right;">Answer: _____</p> | |
| 13 | <p>Three children have the following money in their pocket: €3, €1.43, €1.10</p> <p>What is the range of the above?</p> <p style="text-align: right;">Answer: _____</p> | |
| 14 | <p>Fill in: $20 \times 8 + 20 =$ <input style="width: 50px; height: 20px; border: 1px solid black;" type="text"/></p> | |
| 15 | <p>Work out: 5^3</p> <p style="text-align: right;">Answer: _____</p> | |

| | | |
|------------------|---|--|
| <p>16</p> | <p>Which of the following is the plan view of the above shape?</p>  <p>A)  B)  C)  D) </p> <p>Answer: _____</p> | |
| <p>17</p> | <p>Which one of the following is the smallest volume?</p> <p>A) 600 ml</p> <p>B) 1.2 l</p> <p>C) 0.8 l</p> <p>D) half a litre</p> <p>Answer: _____</p> | |
| <p>18</p> | <p>Work out: 34.2 ÷ 10</p> <p>Answer: _____</p> | |
| <p>19</p> | <p>Which of the following is the smallest prime number?</p> <p>A) 1</p> <p>B) 2</p> <p>C) 3</p> <p>D) 4</p> <p>Answer: _____</p> | |
| <p>20</p> | <p>A square envelope has sides of length 15 cm. Does a rectangular paper, of sides 133 mm by 149 mm, fit into it?</p> <p>Choose: Yes or No</p> <p>Answer: _____</p> | |