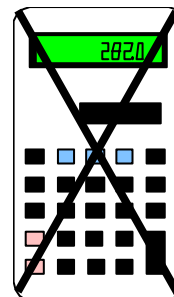| FORM 4 | **MATHEMATICS** Scheme B | TIME: 20 mins |

Non Calculator Paper

Mark

DO NOT WRITE ABOVE THIS LINE
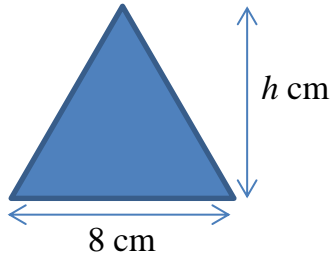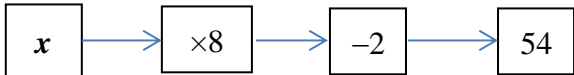
NAME AND SURNAME: _____ CLASS:_____

INSTRUCTIONS TO CANDIDATES:

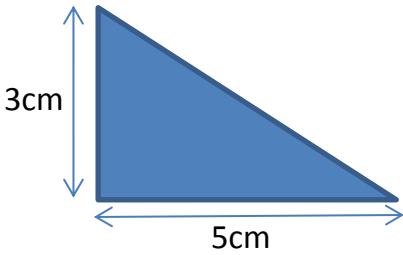**Read all the questions carefully before you start answering.**

- 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	Which of the following is the **biggest** number? 0.333, ⅓, 0.3 Ans:_____	
2	Only one of the following statements is **false**. **Underline** the false statement. a) 7 is a factor of 77. b) 27 is a square number. c) 37 is a prime number. d) 57 is a multiple of 3.	
3	A company has 350 workers. $\frac{3}{5}$ of the workers are **female.** $\frac{2}{7}$ of **these female** workers are **part-timers**. Find the number of **female part-time** workers. Ans:_____	
4	Write 0.000451 in standard form. Ans:_____	
5	Evaluate: $9^2 + 9^1 + 9^0$ Ans:_____	
6	How many **centimetres** are there in 1 km? Ans:_____ cm	

7	An athlete runs 100 metres in 10 sec. Work out the speed in **km/hr**. Ans:_____ km/hr		
8	Multiply 62 by 15. Ans:_____		
9	Work out the value of $10 - x^2$, given that $x = 3$ Ans:_____		
10	A can of lemonade costs 52cents. What is the largest number of cans that can be bought for €10? Ans:_____ cans		
11	The area of triangle is 20 cm². Work out the height h of the triangle. Ans:_____ cm		
12	**Estimate** the circumference of a circle having a **diameter** of 14 cm. (Take $\pi = \frac{22}{7}$) Ans:_____ cm		
13	Work out the value of x. Ans:_____		

14	Write down an **estimate** for $$5.02 \times (9.93 - 1.88)$$ Ans:_____	
15	Write $\frac{8}{25}$ as a decimal. Ans:_____	
16	**Underline** the largest number. a) 1^9 b) $\sqrt{100}$ c) 3^2 d) 2^3	
17	Which is the best **estimate** of the hypotenuse? a) 6cm b) 7cm c) 8cm d) 10cm 3cm 5cm Ans:_____	
18	Fill in with +, −, × or ÷ $$20 \underline{\quad} 5 + 300 \underline{\quad\quad} 6 = 150$$ Ans:_____	
19	Write down the missing numbers. a) 15, 10, 5, 0, _____ b) 1, 3, 9, _____, 81	
20	Work out $1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10$. Ans:_____	