

# m2 = 19 days to go!

8 (a) Explain the meaning of  $3^4$

Answer \_\_\_\_\_ [1]

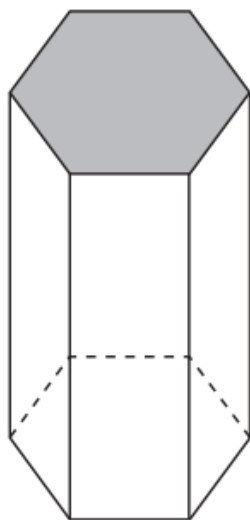
(b) Calculate  $3^4 \times 5^3$

Answer \_\_\_\_\_ [1]

(c) Calculate  $4.2^2 + \sqrt{3.61}$

Answer \_\_\_\_\_ [2]

16 A pillar is in the shape of a hexagonal prism as shown below.



The area of the shaded cross section is  $960\text{ cm}^2$   
The height of the pillar is 1.2 m.  
Calculate the volume of the pillar.

Answer \_\_\_\_\_ [3]

21 The masses of some stones found on a beach are shown in the table.

Mass (g)	Number of stones
$10 < m \leq 20$	33
$20 < m \leq 30$	88
$30 < m \leq 40$	57
$40 < m \leq 50$	52
$50 < m \leq 60$	43
$60 < m \leq 70$	17
$70 < m \leq 80$	10

(a) Which interval contains the median mass?

Answer \_\_\_\_\_ [1]

(b) Draw a frequency polygon to represent the data. [4]

