

24	(i) Area = $40 \times 20 = 800 \text{ m}^2$	1
	(ii) Perimeter = $2(40 + 20) = 120 \text{ m}$	1
	(iii) With 2 m wide walking track inside, inner rectangle = $(40 - 2 \times 2) \times (20 - 2 \times 2) = (36 \times 16) = 576 \text{ m}^2$ (remaining area)	1
	(iv) Quadrilateral: Rectangle	1
25	(i) Rows and columns = 8×8	1
	(ii) Area of one small square = $2 \text{ cm} \times 2 \text{ cm} = 4 \text{ cm}^2$ $\Rightarrow$ Total area = $64 \times 4 = 256 \text{ cm}^2$	1
	(iii) 64 is a perfect square	1
	(iv) 64 is also a perfect cube ($4^3 = 64$)	1
26	(i) 349 = CCCXLIX	1
	(ii) 245 in Egyptian numerals = $200 + 40 + 5$ (ϣϣϣϣϣϣϣϣ)	1
	(iii) Mesopotamians used base-60. Modern use: measuring time (60 seconds = 1 minute; 60 minutes = 1 hour) and angles (360° subdivided into 60 minutes/seconds).	1
	(iv) Correct explanation	1
	(v) Correct explanation	1
27	a) (i) 2,	1
	(ii) 16807	1
	(b) $x = 7$	1
	(c) (i) $0.000000452 = 4.52 \times 10^{-7}$	1
	(ii) $5,820,000,000 = 5.82 \times 10^9$	1