

NOVEMBER ANSWERS – FOUNDATION TIER

- 1st: (a) 2 or 19 (b) 1, 8 or 125 (c) 1 or 6 (d) 1 or 9
2nd: 120cm^2
3rd: (a) 13.53144061 (b) 13.531 (c) 13.5
4th: $\frac{53}{64}$
6th: $\frac{22}{3}$
7th: 10m28s
8th: 78°
10th: $\frac{93}{300}$
11th: (a) $20 < h \leq 30$ (b) $20 < h \leq 30$ (c) 28.8cm
13th: 2.5 litre
14th: $m = n(r + ts)$ or $m = nr + nts$
15th: 72
16th: Paris
17th: 49.7°
18th: £79.80
20th: 24 sides
21st: (a) $\frac{59}{15}$ (b) $\frac{225}{14}$
22nd: (a) $4x(3x^2 - 2)$ (b) $(x + 8)(x - 5)$
23rd: 14.97cm
24th: $\frac{72}{23}$
25th: 0.8kg
27th: (a) $9n - 2$ (b) Yes – 27th term
28th: 37 runs
29th: (a) $14x + 31$ (b) $x^2 + 4x - 45$ (c) m^{-2}
30th: (a) 0.1875 (b) $\frac{7}{20}$