

## HSCP Maths Mash-up #6 Solutions

1. 9
2. 43
3.  $\frac{1}{4}$  (0.25)
4. 6
5. 22
6. 55
7. 18
8. 12
9. £40
10. 72
11. regular heptagon  
(7 sides)
12. count=3  
length= $\sqrt{2}$
13.  $n-3$
14. 717
15.  $10^n+1$
16.  $\frac{8}{15}$  (0.5[3])
17. 25
18.  $\frac{\pi}{4}-\frac{1}{2}$  (-0.285)
19.  $\frac{2}{7}$
20. 26