

HSCP Maths Mash-up #9
Solutions

1. **07:36**
2. **501**
3. **£200**
4. **0 (they are twins)**
5. **16**
6. **102**
7. **7**
8. **2**
9. **1/4 (0.25)**
10. **24**
11. **4**
12. **7:5:3**
13. **3:5**
14. **13,15**
15. **25**
16. **7**
17. **14**
18. **$n(n-1)/2$**
19. **10**
20. **(2,3,6), having 6 permutations,
(2,4,4), having 3 permutations,
(3,3,3), having 1 permutation.
 $6+3+1 = 10$ triples in total.**