

HSCP Maths Mash-up #12
Solutions

1. **18**
2. **288**
3. **28**
4. **0 (none)**
5. **5:4**
6. **18**
7. **13**
8. **9**
9. **150**
10. **6**
11. **84 ($= 2^2 \times 3^1 \times 7^1$)**
12. **22**
13. **7**
14. **42857**
15. **$1 + 2\sqrt{3}/3$ (~2.1547)**
16. **24 patterns,
in 7 classes**