

**HSCP Maths Mash-up #14**  
**Solutions**

1. **£4.70**
2. **111**
3. **5**
4. **3**
5. **14**
6. **2h48m**
7. **5**
8. **none—a square is *all* of the given shapes**
9. **−241**
10.  **$5/8$  (0.625)**
11. **144%**
12. **738**
13. **7**
14. **7**
15. **3**
16.  **$(1+\sqrt{5})/2$  (~1.618)  
(the *golden ratio*)**