Functional Skills Level 1

Probability — Worksheet 1 Worked Answers

1. There are 2 equally likely outcomes. P(heads) = **1/2**.

2. There are 6 equally likely outcomes. P(4) = **1/6**.

3. Total counters = 5 + 3 = 8. P(red) = **5/8**.

4. Even numbers are 2 and 4: 2 favourable outcomes out of 4. P(even) = 2/4 = **1/2**.

5. Total = 10. P(yellow) = 4/10 = **2/5**.

6. Numbers greater than 4 are 5 and 6: 2/6 = **1/3**.

7. Total = 2 + 5 + 3 = 10. P(blue) = **1/2**.

8. P(heads) = 1/2 each time. 1/2 × 1/2 = **1/4**.

9. 3 red sections out of 8. P(red) = **3/8**.

10. Odd numbers are 1, 3, 5, 7, 9: 5 out of 10. P(odd) = **1/2**.

11. Numbers less than 3 are 1 and 2: 2/6 = **1/3**.

12. Total pens = 10. P(black) = 4/10 = **2/5**.

13. 8 students wear shoes out of 20. P(shoes) = 8/20 = **2/5**.

14. Numbers greater than 2 are 3, 4 and 5: 3 out of 5. P = **3/5**.

15. Dark chocolates = 12 – 5 = 7. P(dark) = **7/12**.

16. There are 5 outcomes that are not 6. P(not 6) = **5/6**.

17. Total = 10. P(white) = **7/10**.

18. Not tails means heads. P(heads) = **1/2**.

19. 5 winning tickets out of 50. P(win) = 5/50 = **1/10**.

20. Not blue = 8 + 5 = 13. Total = 15. P(not blue) = **13/15**.