



Apple Coordinates in Binary:

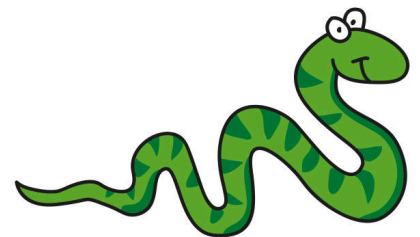
We have 30 coordinates for apples, but they're all in binary!

- | | | |
|------------------|------------------|------------------|
| 1. (0101, 0010) | 11. (0110, 0010) | 21. (0101, 0011) |
| 2. (0011, 0011) | 12. (0001, 0011) | 22. (0011, 0100) |
| 3. (0110, 0000) | 13. (0101, 0001) | 23. (0110, 0110) |
| 4. (0000, 0100) | 14. (0001, 0101) | 24. (0010, 0101) |
| 5. (0001, 0001) | 15. (0000, 0010) | 25. (0100, 0010) |
| 6. (0010, 0101) | 16. (0011, 0110) | 26. (0011, 0001) |
| 7. (0010, 0010) | 17. (0100, 0100) | 27. (0011, 0010) |
| 8. (0100, 0110) | 18. (0110, 0011) | 28. (0100, 0101) |
| 9. (0000, 0000) | 19. (0010, 0011) | 29. (0011, 0010) |
| 10. (0011, 0100) | 20. (0001, 0100) | 30. (0001, 0010) |

Decoded coordinates in decimal.

Use the worksheet on the next page you help you

- | | | |
|-----|-----|-----|
| 1. | 11. | 21. |
| 2. | 12. | 22. |
| 3. | 13. | 23. |
| 4. | 14. | 24. |
| 5. | 15. | 25. |
| 6. | 16. | 26. |
| 7. | 17. | 27. |
| 8. | 18. | 28. |
| 9. | 19. | 29. |
| 10. | 20. | 30. |



Decoding worksheet Once you've decoded the first 6 coordinates, you will have all the decimal numbers you need. We've filled in the first one as an example

Binary number	Working out				Decimal Number
0101	Eight	Four	Two	One	
	0	1	0	1	
0010	Eight	Four	Two	One	
0011	Eight	Four	Two	One	
0110	Eight	Four	Two	One	
0000	Eight	Four	Two	One	
0100	Eight	Four	Two	One	
0001	Eight	Four	Two	One	
0101	Eight	Four	Two	One	

Grid Example:

	0	1	2	3	4	5	6
0							
1							
2							
3							
4							
5							
6							