

## Simultaneous Equations – Answers

### Introduction to Simultaneous Equations

- 1) (a)  $L = 1.2, D = 2.1$                       (b)  $L = 1.7, D = 2.8$                       (c)  $L = 0.1, D = 1.3$   
(d)  $L = 0.9, D = 1.6$
- 2) (a)  $x = 1.4, y = 1.1$                       (b)  $x = 4.3, y = 2.8$                       (c)  $x = 0.5, y = 2.9$   
(d)  $x = 2.3, y = 3.2$                       (e)  $x = 5.1, y = 1.5$
- 3) 12 gobstoppers and 8 mints
- 4)  $L = 0.7, M = 1.2, D = 1.3$

### Algebra Problems (Harder)

- 1)  $x = 20$   
2) angle B =  $3 \times$  angle C  
3)  $48 \times 1p, 28 \times 2p, 24 \times 5p$   
4) Bert is 33, Ernie is 44  
5) Eldest:Youngest = 2:1 (ie eldest is twice as old as youngest)  
6) Largest =  $5 \times$  smallest  
7) 22  
8) 6  
10) 15  
11) 8  
12) 12 miles  
13) £2.40  
14) 7 cows, 21 pigs and 72 hens