

## Statistical Graphs – Answers

### Stem and Leaf diagrams

1) (a) (Key: 1 | 3 means 13 years old)

```
0 | 7 8 9
1 | 3 5 6 8 9
2 | 1 4 6 6 7 8
3 | 1 3 3 3 5 7 7 7 8
4 | 2 3 6 7 9
5 | 1 3 4 5 6 7
6 | 2 8
7 | 1 2
8 | 1 7
```

(b) 37

2) (a) (Key: 5 | 4 means 54kg)

```
3 | 6 9
4 | 1 4 5 7 7 7
5 | 0 1 1 1 2 2 3 3 3 4 4 5 6 6 6 7 9
6 | 0 1 2 4 5 7 8 8 9
7 | 3
```

(b) 54kg

3) (Key: June 6 | 3 means 6.3 hours, November 3 | 6 means 6.3 hours)

November		June
9 8 8 7 6 4 0 0 0 0 0 0	0	3 4
	1	2 3
	2	6
	3	4 5
	4	
	5	2 4 7 8
	6	4 5 6 8
	7	3 4
	8	6
	9	2 5 7 8 8
	10	
	11	1 1 3 4 4
	12	0 1

(b) Medians: November 1.65 hours, June 7.05 hours. Difference 5.4 hours

4) (a) (i) 3.6km (ii) 36 years old (iii) 0.36g  
(b) (i) 4.15km (ii) 41.5 years old (iii) 0.415g