Answers - Upper and Lower Bounds

Exercise A

1. 195·5 cm **2.** 36·5 kg **3.** 3·25 kg **4.** 95·55 m **5.** 28·65 s
6. (a) 1·5, 2·5 (b) 2·25, 2·35 (c) 63·5, 64·5 (d) 13·55, 13·65
7. B **8.** C **9.** (a) Not necessarily (b) 1 cm
10. (a) 16·5, 17·5 (b) 255·5, 256·5 (c) 2·35, 2·45 (d) 0·335, 0·345 (e) 2·035, 2·045
(f) 11·95, 12·05 (g) 81·35, 81·45 (h) 0·25, 0·35 (i) 0·65, 0·75 (j) 51500, 52500
11. No, max. card length 11·55 cm min. envelope length 11·5 cm

Exercise B

1. (a) 7·5, 8·5, 10·5 cm (b) 26·5 cm **2.** 46·75 cm^2
3. (a) 7 (b) 5 (c) 10 (d) 4 (e) 2 (f) 5 (g) 2 (h) 24
4. (a) 13 (b) 11 (c) 3 (d) 12·5
5. (i) 10·5 (ii) 4·3 **6.** (i) 11 (ii) 1 (iii) 0·6 **7.** 56 cm^2
8. 55·706604 **9.** 17·198364 m/s **10.** 3·298 8372, 2·872 2222
11. 4·101 6355 **12.** 7·163 6234
13. (a) \$35 390 → \$38 250 (b) \$35 640 → \$35 660 (c) Only one figure to approximate