

- 1 (a) 0.4 (b) 0.7 (c) 0.2 (d) 0.9  
(e) 0.8 (f) 0.5 (g) 0.3 (h) 0.6
- 2 (a) 6.6 (b) 2.7 (c) 8.8 (d) 4.3 (e) 7.1 (f) 5.5
- 3 (a) 5.2 (b) 6.1 (c) 8.2 (d) 5.3  
(e) 1.3 (f) 4.1 (g) 1.0 (h) 1.1
- 4 (a)  $5.8 - 3.3 = 2.5$  (b)  $5.8 - 2.8 = 3$  (c)  $3.3 - 2.8 = 0.5$   
(d)  $7.2 - 4.7 = 2.5$  (e)  $7.2 - 6.9 = 0.3$  (f)  $4.7 - 2.8 = 1.9$
- 5 (a) 6.8 (b) 9.7 (c) 1.7 (d) 4.9  
(e) 1.2 (f) 3.9 (g) 1.8 (h) 0.6

- 1 58.7 spacewarps
- 2 (a) 88.8 (b) 76.9 (c) 91.7 (d) 70  
(e) 81.8 (f) 86.8 (g) 81.8 (h) 56.9
- 2 75.3 spacewarps
- 4 (a) 28.3 (b) 79.1 (c) 38.2 (d) 90  
(e) 95.3 (f) 75.1 (g) 57.4 (h) 47
- 5 (a) 88.8 kg (b) 80 kg (c) 93.2 kg (d) 77.4 kg
- 6 (a) 30.5 (b) 41.9

- 1 (a) 12.1 kg (b) 27.5 kg  
(c) 4.1 kg (d) 11.3 kg  
(e) 23.4 kg (f) 16.2 kg
- 2 (a) 13.3 (b) 72.8 (c) 34.8 (d) 61.7  
(e) 46.8 (f) 78.5 (g) 39.9 (h) 17.4
- 3 (a) 3m (b) 10.8m  
(c) 19.1m (d) 29.8m
- 4 (a) 10.7m (b) 8.3 m (c) 7.8m
- 5 Yod: Explorer Zeb: Sunburst Wiv: Laser Dax: Mercury

- 1 (a) 0.6 ℓ (b) 5.6 ℓ  
(c) 4 ℓ (c) 3.6 ℓ  
(e) 2.4 ℓ (f) 4.9 ℓ  
(g) 2.4 ℓ (h) 1.8 ℓ  
(i) 2.8 ℓ (j) 5.4 ℓ
- 2 (a)  $8 \times 0.9 = 7.2$  (b)  $0.6 \times 8 = 4.8$   
(c)  $7 \times 0.5 = 3.5$  (d)  $0.7 \times 9 = 6.3$
- 3 (a) 9.6g of Starsalt, 23.4g of Solarsand, 19.2g of X, 17.7g of Moondust  
(b) 22.4g of Starsalt, 54.6g of Solarsand, 44.8g of X, 41.3g of Moondust  
(c) 28.8g of Starsalt, 70.2g of Solarsand, 57.6g of X, 53.1g of Moondust  
(e) 32g of Starsalt, 78g of Solarsand, 64g of X, 59g of Moondust
- 4 (a) 8.4 (b) 9 (c) 16.1 (d) 38  
(e) 23.4 (f) 38.5 (g) 37.6 (h) 26.7
- 5 2 large bottles, 4 small bottles