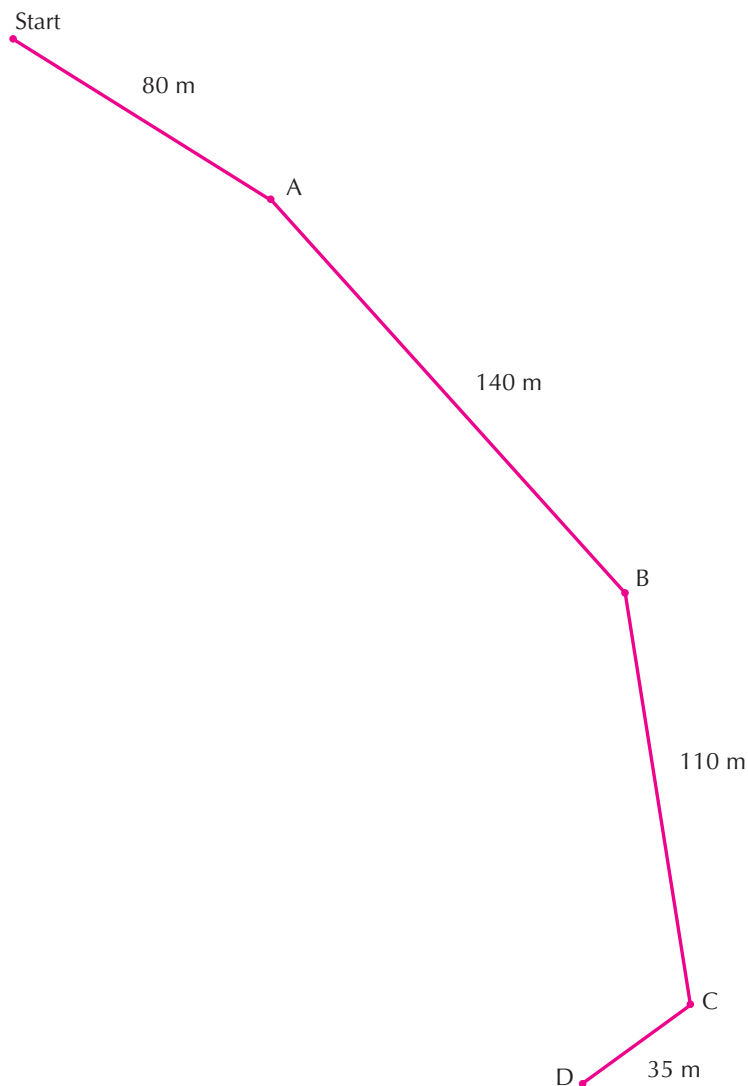


## Preparation for assessment

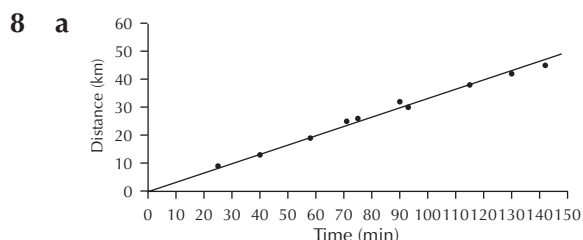
### Paper 1 – Non-calculator

- 1 a £29.85  
b \$2.24
- 2 £25.95
- 3 Cost best £530.40 compared to £535.99
- 4 a 19°C  
b  $34 \times 2 + 30 = 98^{\circ}\text{F}$
- 5 a  $\frac{4}{9}$   
b  $\frac{1}{15}$
- 6 a Scale: 1 : 20

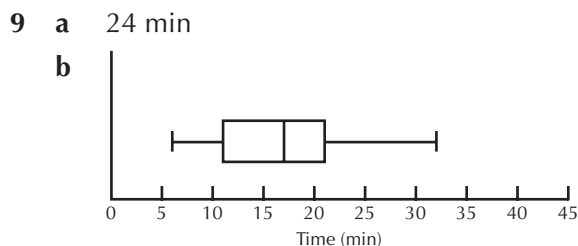


- b 10 min 11 sec

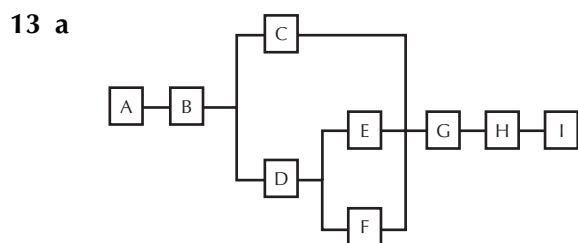
- 7 a Yes, 0.43 m/s  
 b Yes, gradient is 1 in 1.5  
 c Yes, both points met



- b See diagram  
 c i 20 km  
 ii 20 km/h  
 d 1 hour 45 min



- c Dr Leckie shorter waiting times and less variable
- 10 a  $10\frac{1}{3}$  km  
 11 a  $16\frac{1}{4}$  miles  
 b  $1\frac{1}{4}$  miles  
 12 180 mph



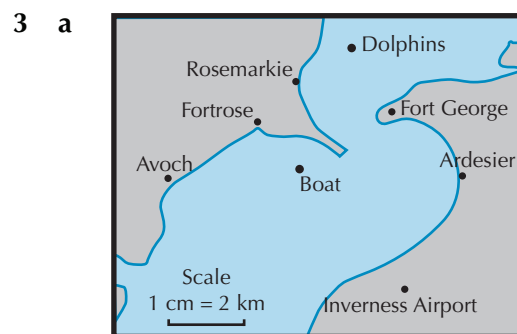
- b Yes, time is 15 hours 45 min  
 c A, B, D, E, G, H, I
- 14 a Aileen £3600  
 David £6300  
 Wendy £8100  
 b Aileen 20%  
 David 35%  
 Wendy 45 %  
 c No. She is due £25200

15  $162\,000\text{ cm}^3$

## Paper 2 – Calculator

- 1 a Yes, median is 121  
 b Yes, all between 116 and 124  
 c Happy Eats mean 120.67, sd 7.66  
 Yummy Treats mean 120.83, sd 3.06  
 Yummy Treats slightly more on average and much less variable

- 2 a £1175.50  
 b i £3150  
 ii £2822.67



- b Travel 2km on a bearing of  $090^\circ$   
 Travel 3.3 km on a bearing of  $349^\circ$   
 c Yes. He can get there in 16 min
- 4 a 1:6:2  
 b Sean €2607  
 Hilda €15642  
 Kevin €5214  
 c £4149.82  
 d Yes. He has JPY 385 124
- 5 a  $489.12\text{ m}^3$   
 b 1 136 223 Kg
- 6 5.29m
- 7 Yes, gradient is 1.14, weight is  $31.98\text{ kg/m}^2$
- 8 a Peg tiles £25 453.00  
 Concrete tiles £15 910.18  
 Barrel tiles £38 372.13  
 b Concrete tiles, lowest total cost
- 9 a £518, £504, £516  
 b Comfee Settee  
 c £548.53