

# Mathematics

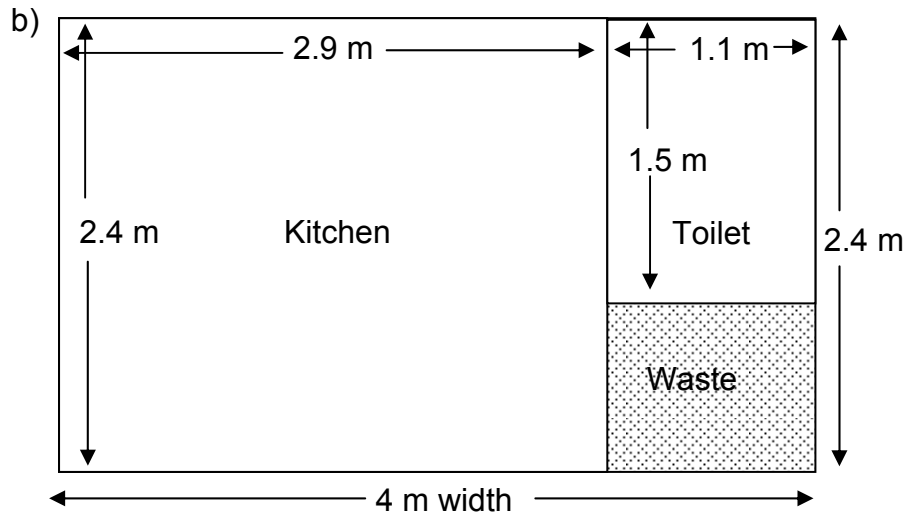
Level 2



**Functional Skills**  
Practice Assessment 2

**Housing Development**  
Answers





- c) 3 metre wide roll      £57.75      **2 marks**  
4 metre wide roll      £54.00

- d) 4 metre wide roll      **1 mark**

- e) 3 metre wide roll      1.89 m<sup>2</sup>      **2 marks**  
4 metre wide roll      0.99 m<sup>2</sup>

7)

House Type	✓
Lambeth	
Rochester	
Shrewsbury	
Richmond	
Windsor	✓
Abbey	✓
Hampton	✓
Oatland	✓

**£339,995.75**  
£220,995.75  
£186,995.75  
£175,095.75  
**£169,995.75**  
**£110,495.75**  
**£106,245.75**  
**£96,895.75**

**2 marks**

- 8) a) €311,994.00

Rochester = £259,995  
£1 = 1.2 Euros  
£259,995 x 1.2 = 311,994 Euros

**1 mark**

- b) Gained €64,998.75

311,994 Euros  
£1 = 1.45 Euros  
£259,995 x 1.45 = 376,992.75 Euros  
376,992.75 - 311,994 = 64,998.75 Euros

**2 marks**

9) 18 detached houses sold

$$\frac{1}{25} + \frac{3}{25} + \frac{1}{5} = \frac{1}{25} + \frac{3}{25} + \frac{5}{25} =$$

$$\frac{9}{25} = \frac{18}{50}$$

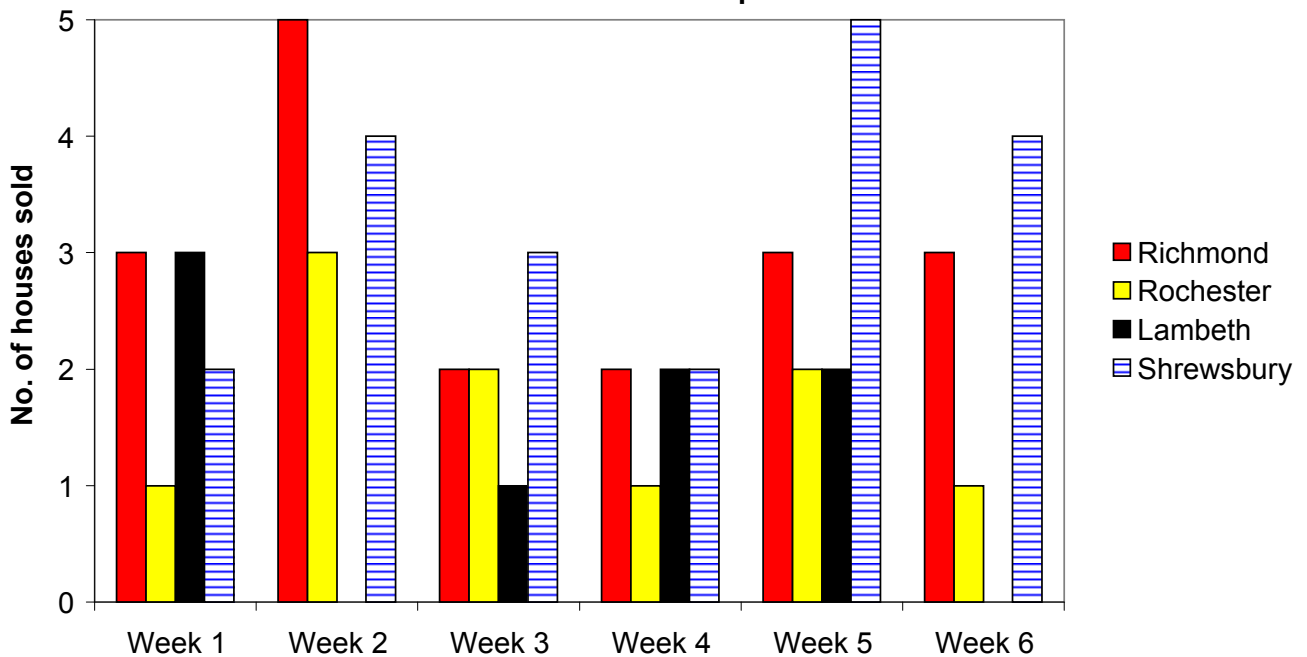
**1 mark**

Learner to show how to check their answer

**1 mark**

10) a)

Sales over 6 week period



a) As shown above (allow similar axis label).

b) 3

$$3 + 5 + 2 + 2 + 3 + 3$$

$$= 18 \div 6 = 3$$

c) The median average is the middle value of a set of data.

**3 marks**

11) a) 10° increase

b) 3° decrease

c) 8° increase

d) 5° increase

**4 marks**

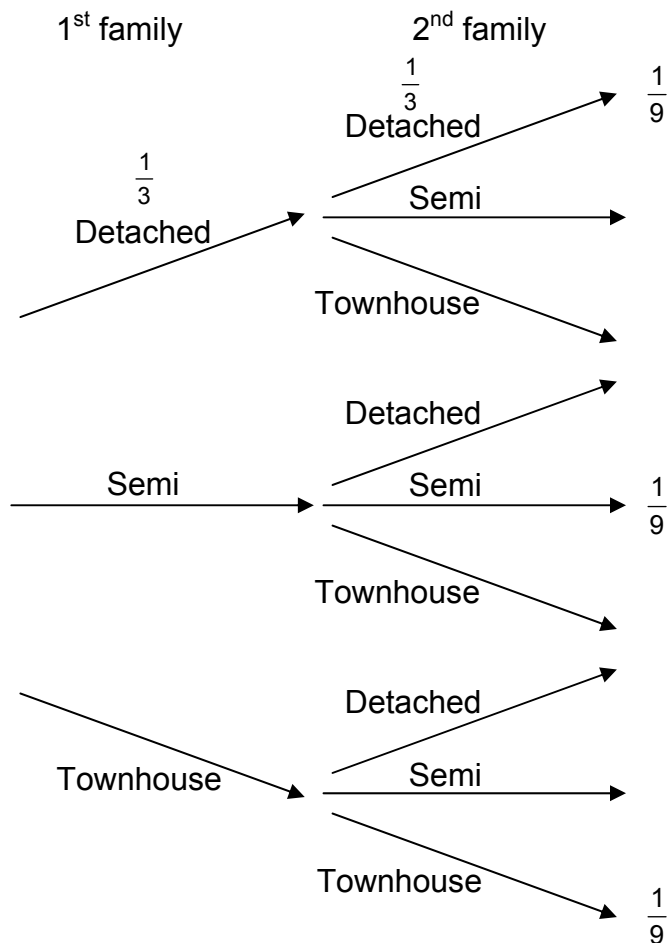
12) Calculation needs to allow for visiting 8 houses.

Allow (say) 10 minutes per house to open up, open windows etc. = 80 minutes  
Extra half hour to cover contingencies.

I think around 2 hours would be a reasonable time to allow.

**5 marks**

13) There is a  $\frac{1}{9}$  chance that they will both choose detached;  $\frac{1}{9}$  chance they will both choose semi-detached;  $\frac{1}{9}$  chance they will both choose a townhouse.



$$\frac{1}{9} + \frac{1}{9} + \frac{1}{9} = \frac{1}{3}$$

A  $\frac{1}{3}$  chance that both families will choose the same house.

**5 marks**

**43 marks in total**