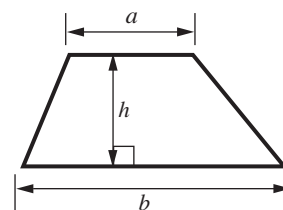


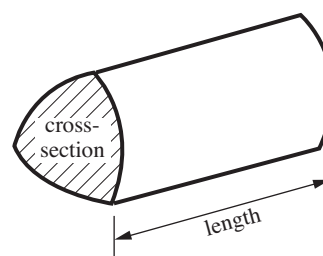


**Formulae Sheet**

**Area of trapezium** =  $\frac{1}{2} (a + b)h$



**Volume of prism** = (area of cross-section)  $\times$  length



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- (a) The attendance at a football match was 22 634.

Write 22 634

- (i) correct to the nearest thousand,

(a)(i)..... [1]

- (ii) correct to one significant figure.

(ii)..... [1]

- (b) Mohibur organises a coach to take fans to another match.  
42 fans have to pay £11.25 each to travel on the coach.

- (i) Write down a calculation Mohibur could do in his head to **estimate** the total amount paid for the coach.

..... × ..... = £..... [2]

- (ii) Is your estimate bigger or smaller than the exact amount?  
Explain how you decide.

..... because .....

.....

..... [1]

2 Solve.

(a)  $11 = x + 3$

(a)..... [1]

(b)  $5x = 60$

(b) ..... [1]

(c)  $3x - 2 = 10$

(c)..... [2]

4

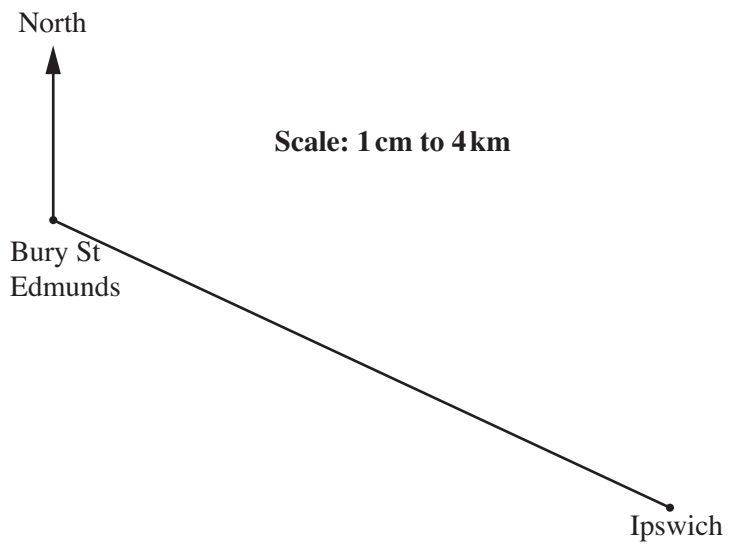
3 Put a tick (✓) in the correct column for each of these statements.

Statement	Always true	Sometimes true	Never true
A kite has one pair of parallel sides.			
The opposite sides of a parallelogram are equal.			
All the angles of a trapezium are different.			
The diagonals of a rhombus cross at right angles.			

[3]

3

- 4 The scale drawing shows the position of two towns, Bury St Edmunds and Ipswich.



- (a) (i) Measure the bearing of Ipswich from Bury St Edmunds.

(a)(i) ..... ° [1]

- (ii) Find the distance, in kilometres, between Ipswich and Bury St Edmunds.

(ii) ..... km [2]

- (b) Newmarket is 22 km due West of Bury St Edmunds.

On the diagram above, mark and label the position of Newmarket.

[2]

5	

- 5 Tara takes her son to Adventureland.  
Here are the ticket prices.

Adventureland	
Adult	£20
Child	£15

**Special offer**  
**Monday**  
**save 20%**

On Monday, ticket prices are reduced by 20%.  
Tara buys one adult ticket and one child ticket.

How much does she save if she goes on Monday rather than Tuesday?

£ ..... [3]

3
---

**6 (a)** Work out.

**(i)**  $6^2$

**(a)(i)**..... [1]

**(ii)**  $5^2 - 2^3$

**(ii)**..... [2]

**(b)** Work out.

**(i)**  $3 - ^{-}6$

**(b)(i)**..... [1]

**(ii)**  $^{-}4 \times ^{-}2$

**(ii)**..... [1]

5	

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