

- 1 Norman (N), Aled (A), Rachel (R) and Chris (C) are in the school relay team.  
 Norman always runs first.  
 The order for the other three is chosen at random.

(a) Complete this table to show all the possible orders for the team.

*You may not  
 need all the  
 lines*

First	Second	Third	Fourth
N	A	R	C

[2]

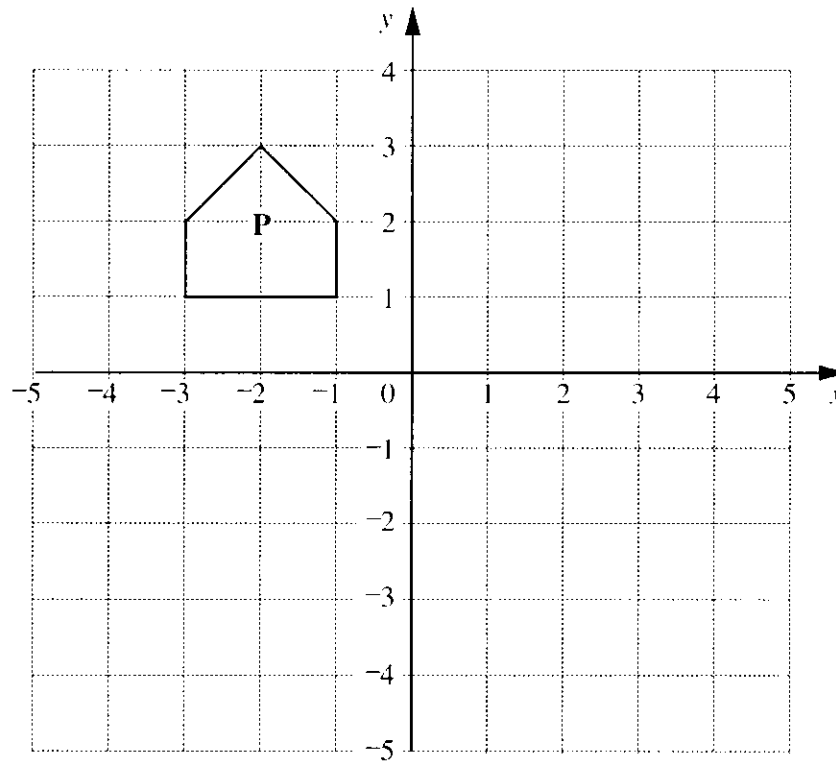
(b) What is the probability that Rachel will run fourth?

(b) .....[2]

4
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[Turn over





- (a) Shape **P** is translated 4 to the right and 3 down.

Draw the result on the grid.  
Label it **Q**.

[1]

- (b) Match the rotations A, B and C to **all** their equivalents.

A  
 $\frac{1}{2}$  turn clockwise

90° anticlockwise

$\frac{1}{4}$  turn clockwise

B  
90° clockwise

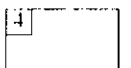
270° anticlockwise

C  
 $\frac{3}{4}$  turn clockwise

$\frac{1}{4}$  turn anticlockwise

180° anticlockwise

[3]



- 3 (a) Round 3628.297 to the nearest hundred.

(a) .....[1]

- (b) Round 3628.297 to 1 decimal place.

(b) .....[1]

- (c) Round 3628.297 to the nearest whole number.

(c) .....[1]

- (d) Round 3628.297 to 1 significant figure.

(d) .....[1]

4

- 4 Solve.

(a)  $2x - 3 = 2$

(a) .....[2]

(b)  $15 = 4x + 3$

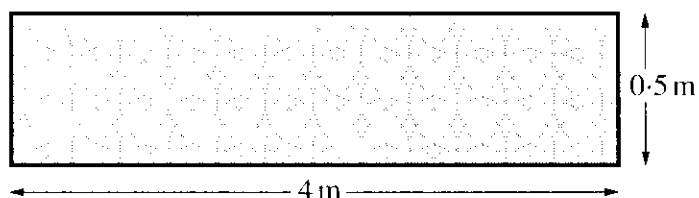
(b) .....[2]

4

[Turn over]



5 (a)

Not to  
scale

- (i) This carpet is 4 metres long.

Complete this sentence.

4 metres is roughly ..... feet.

[1]

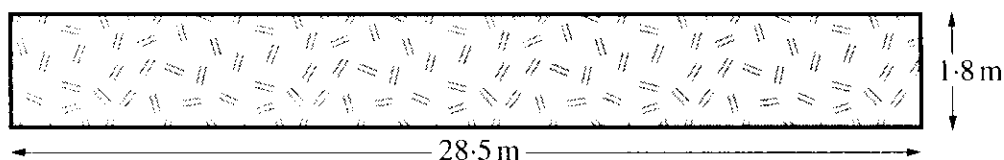
- (ii) The area of this carpet is
- $2 \text{ m}^2$
- .

Complete this sentence.

2 square metres = ..... square centimetres.

[1]

(b)

Not to  
scale

This hall carpet is 28.5 m long and 1.8 m wide.

It costs £22.95 per square metre.

**Estimate** the cost of the carpet.

Show all your working.

(b) £ ..... [3]

5
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- 6 (a) These are Tanya's results for her German tests.

Vocabulary	Writing	Speaking	Listening	Reading
$\frac{15}{20}$	63%	$\frac{3}{5}$	$\frac{7}{10}$	55%

Put the results in order, highest first.

.....  
Highest

[3]

- (b) Tanya scored 60% in the History test.

She gets a grade based on the test result.

Score	Grade
0.9 and above	A
0.7 and less than 0.9	B
0.5 and less than 0.7	C
less than 0.5	D

Which grade does she get in History?

Give a reason for your choice.

History grade ..... because .....

[1]

4	
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