Name:

Maths Assessment Year 4: Geometry – Position and Direction

1. Describe positions on a 2D grid as co-ordinates in the first quadrant.
2. Describe movements between positions as translations of a given unit to the left/right and up/down.

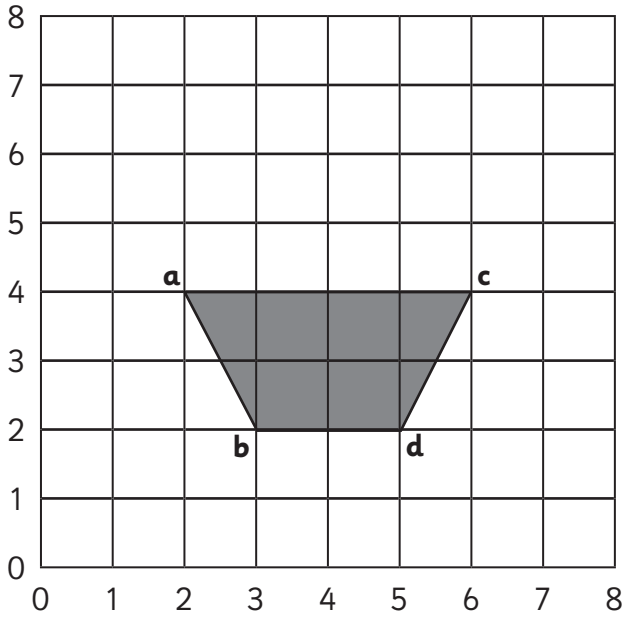
Name: Date:

10 total marks

Maths Assessment Year 4: Geometry – Position and Direction

1. Describe positions on a 2D grid as co-ordinates in the first quadrant.

a) For each of the points of the shape write the co-ordinate:

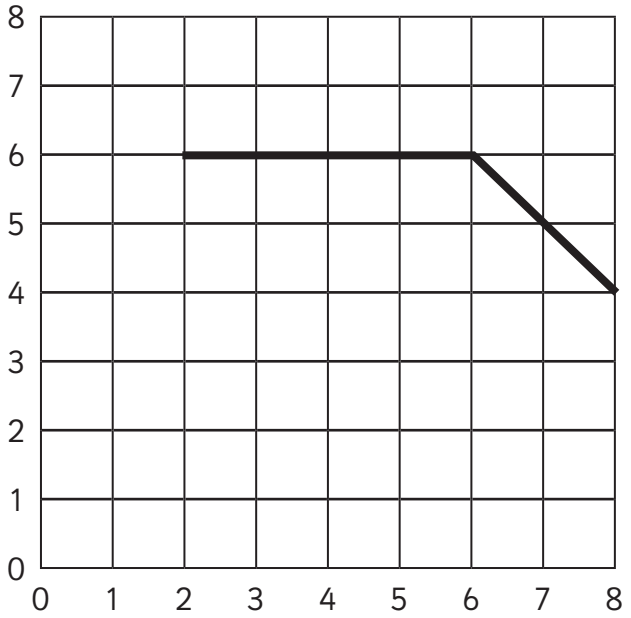


a _____ **b** _____

c _____ **d** _____

4 marks

b) Draw a point on the grid to complete the parallelogram and write its co-ordinates:



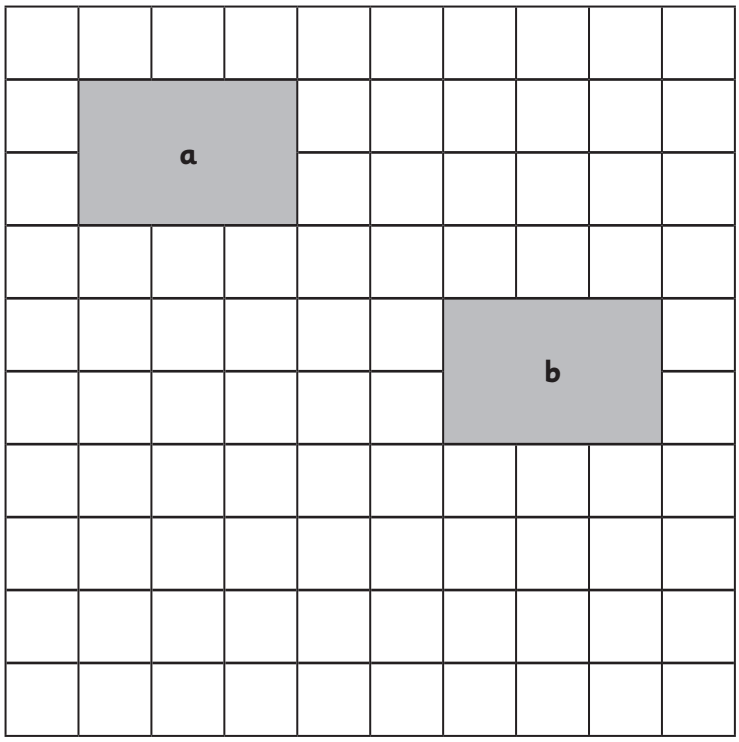
co-ordinates: _____

2 marks

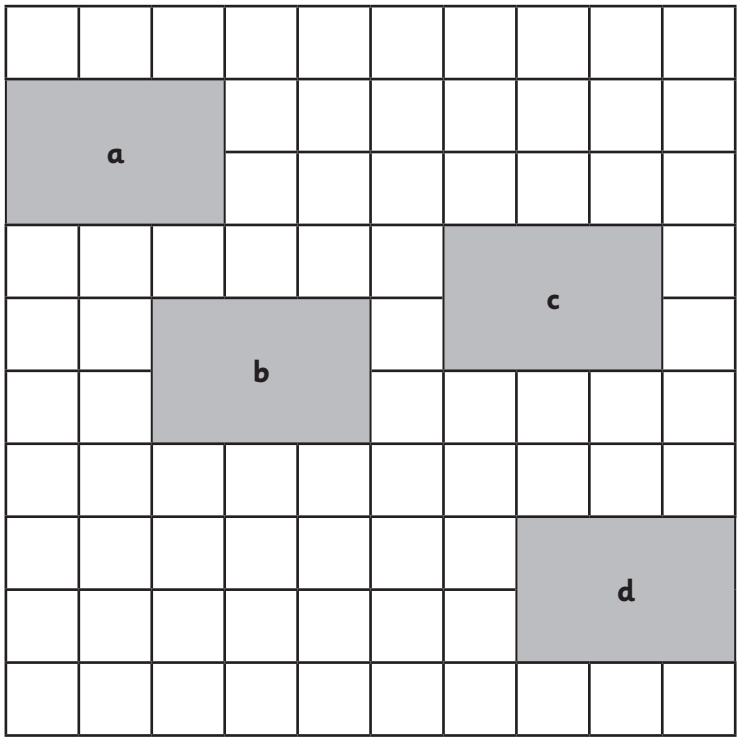
Total for this page

2. Describe movements between positions as translations of a given unit to the left/right and up/down.

On the grid, Oblong **a** has been translated to a new position shown by Oblong **b**; it has translated down 3 and right 5.



Describe how the following rectangles have been translated:



a) **a** to **b** _____

b) **b** to **c** _____

c) **c** to **d** _____

d) **d** to **a** _____

4 marks

Total for this page

Answer Sheet: Maths Assessment Year 4: Geometry - Position and Direction

question	answer	marks	notes
1. Describe positions on a 2D grid as co-ordinates in the first quadrant.			
a	(2,4) (6,4) (3,2) (5,2)	4	Accept in any order. To achieve a mark the numbers must be written inside brackets, with a comma separating them.
b	Co-ordinate to be drawn at (4,4) and co-ordinate written	2	1 mark for co-ordinate drawn accurately and 1 mark for (4,4) written.
2. Describe movements between positions as translations of a given unit to the left/right and up/down.			
a	down 3; right 2	1	Accept in either order
b	up 1; right 4	1	Accept in either order
c	down 4; right 1	1	Accept in either order
d	up 6; left 7	1	Accept in either order
		Total 10	