Exam Style Questions

3D Coordinates

Ensure you have: Pencil, pen, ruler, protractor, pair of compasses and eraser

You may use tracing paper if needed

Guidance

1. Read each question carefully before you begin answering it.
2. Don’t spend too long on one question.
3. Attempt every question.
4. Check your answers seem right.
5. Always show your workings

Revision for this topic

Secondary Video 86
This diagram shows a cuboid drawn on a 3D grid. C has coordinates (5, 2, 3).

(a) Write down the coordinates of the point A.

(..........., ..........., ...........)  (1)

(b) Write down the coordinates of the point F.

(..........., ..........., ...........)  (1)

The coordinate H is the midpoint of FG.

(c) Write down the coordinates of the point H.

(..........., ..........., ...........)  (1)
2. Here is a cuboid drawn on a 3D grid.

(a) Write down the coordinates of the point A.

(......... , ..........., ............)  
(1)

(b) Write down the coordinates of the point B.

(......... , ..........., ............)  
(1)

The coordinate C is the midpoint of AB.

(c) Write down the coordinates of the point C.

(......... , ..........., ............)  
(1)
3. The diagram shows a cuboid on a 3D grid.

(a) Write down the coordinates of the point C.

(.......... , .......... , ............)  

(1)

(b) Write down the coordinates of the point F.

(.......... , .......... , ............)  

(1)

(c) Write down the coordinates of the midpoint of the line segment BG.

(.......... , .......... , ............)  

(1)