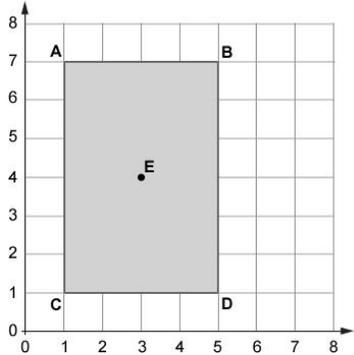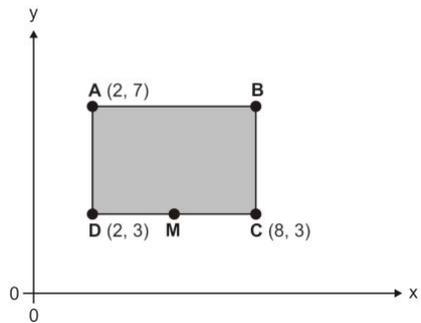Lesson 2 - To understand how to plot points on all four quadrants.

Q1)A, B, C and D are the vertices of a rectangle. What are the coordinates of the vertices? Point E is the centre of the rectangle. What are the coordinates of point E?
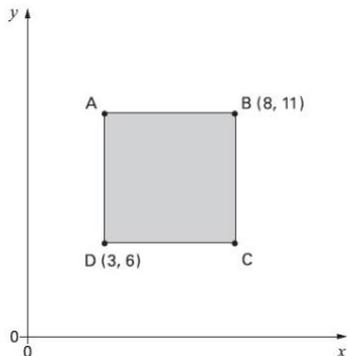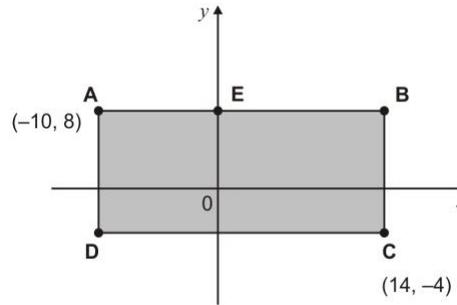
Q2) What are the co-ordinates of B?

M is half way between D and C. What are the co-ordinates of M?

A (2, 7)   B

D (2, 3) M   C (8, 3)

Q3) Write the coordinates for point A.

A   B (8, 11)

D (3, 6)   C

Q4)ABCD is a rectangle drawn on coordinate axes. The sides of the rectangle are parallel to the axes.

A (−10, 8)   E   B

D   C (14, −4)

What are the coordinates of **D** and **E?**

Q5) Complete this sentence:
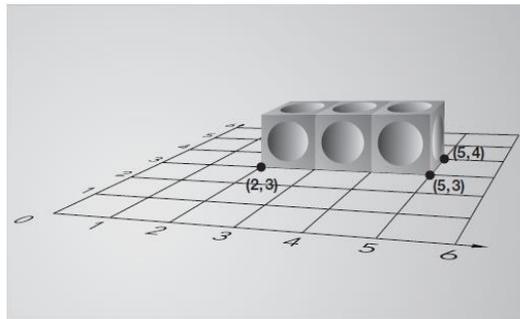
The four **vertices** of the rectangle are

(2, 3), (5, 3), (5, 4) and   (,   )

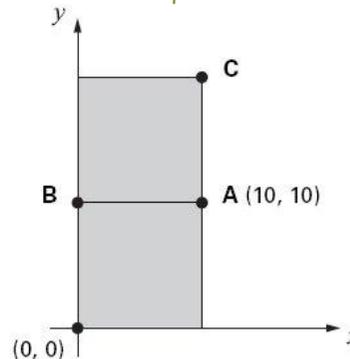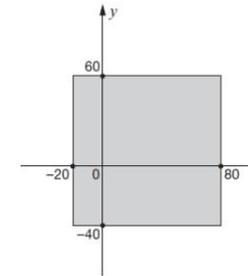(2,3)   (5,3)   (5,4)

Q6) The diagram shows two identical squares.

A is the point (10, 10)

What are the coordinates of **B** and **C?**

C

B   A (10, 10)

(0, 0)

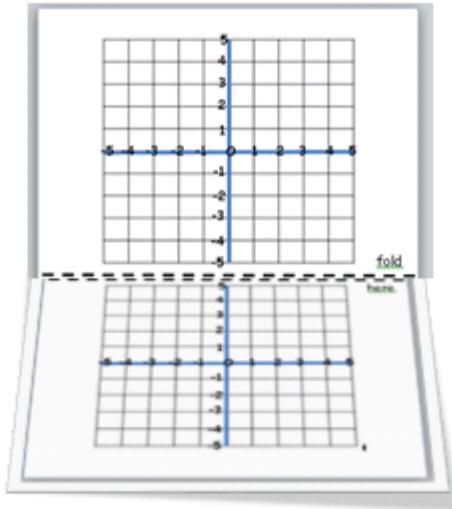**Q7)**Here is a shaded square on *x* and *y* axes.

60

−20   0   80 *x*

−40

For each of these points, put a tick (✔) to show if it is inside the square or outside the square.

|	inside the square	outside the square
(50, 70)		
(60, −30)		
(−10, 50)		
(−30, −30)		

William Morris Battleship: Instructions

1. Cut out the William Morris motifs.

2. Stick them on your top grid.

3. Fold your paper in half and lean it against your partners.

5. If your partner calls out a coordinate that does not have your objects call out "miss"

6. If your partner calls out a coordinate that does have your

   coordinate call out "You caught my _____ ."

7. If your partner says miss, put a cross on your own grid so that you can keep track

8. If your partner says "You caught my _____ .", you get to keep their object.

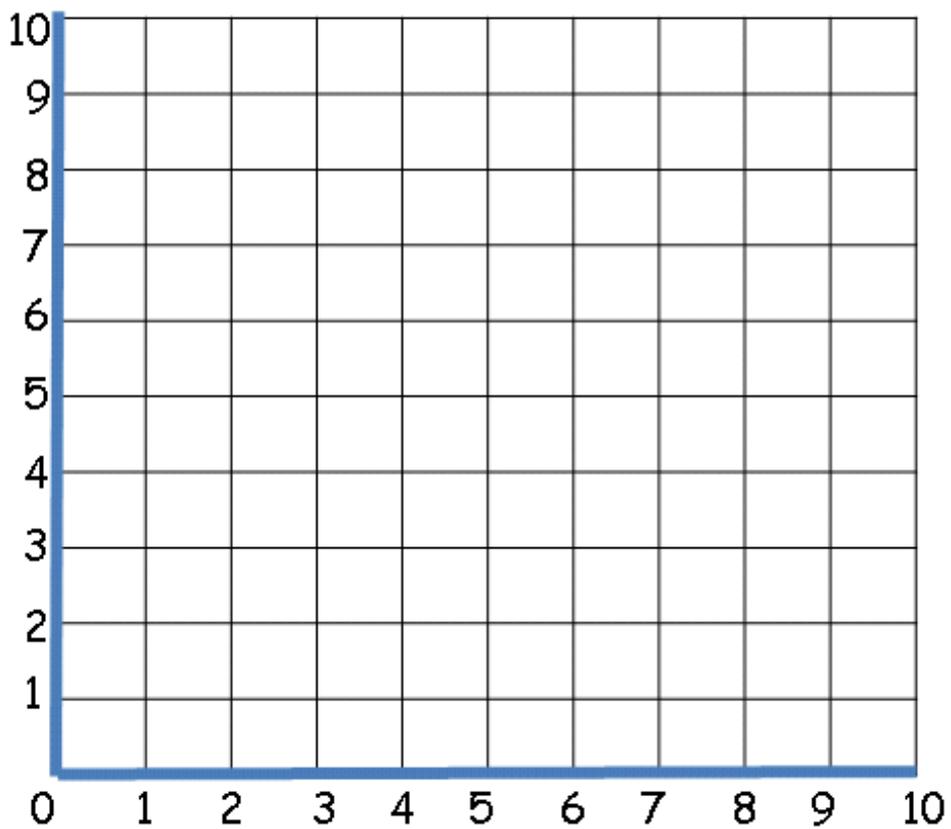The winner is the first person to win the other person's moti
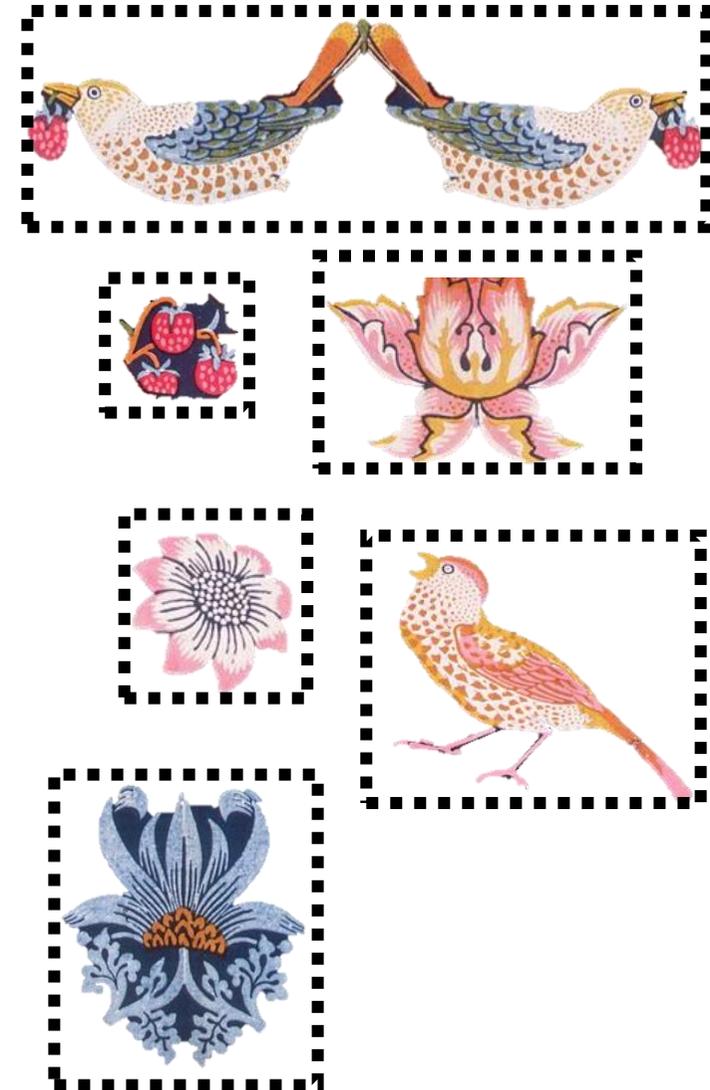
Lesson 2 - To understand how to plot points on all four quadrants.
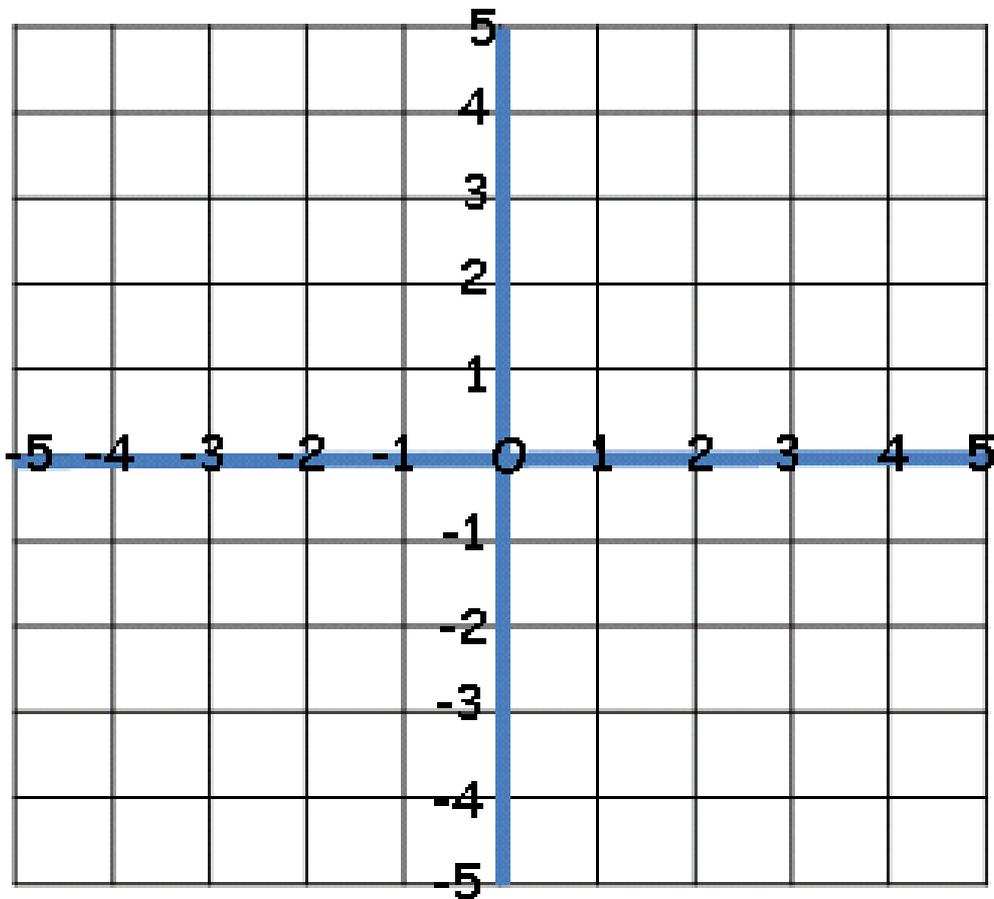
Battleship in one quadrant
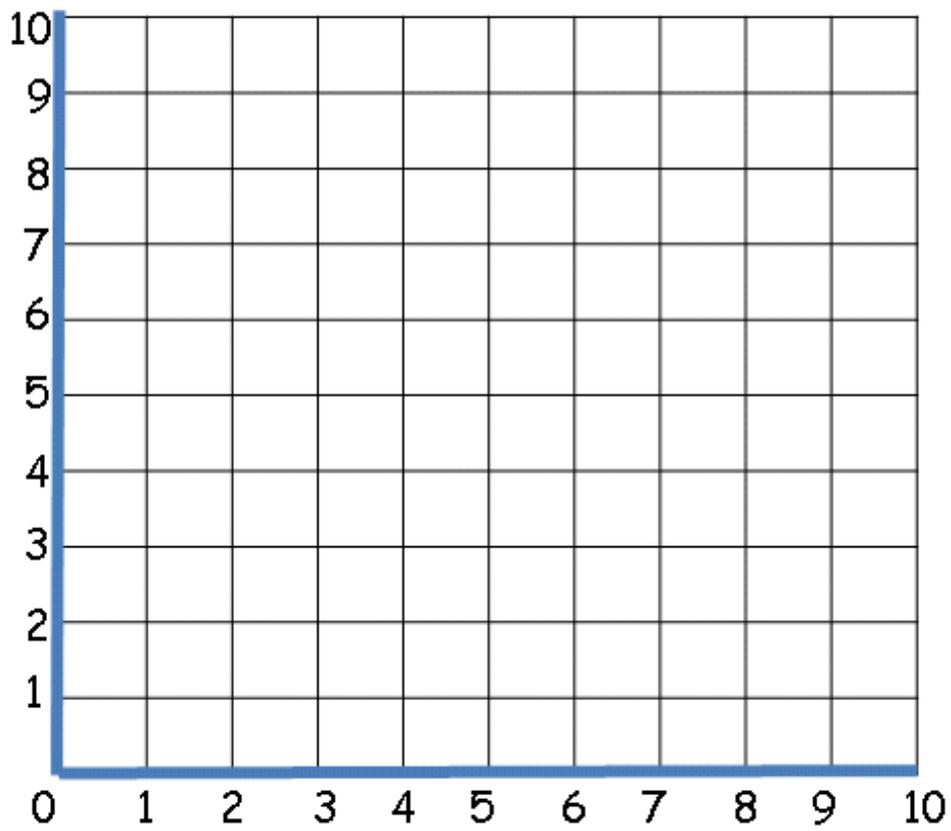
fold
here

Lesson 2 - To understand how to plot points on all four quadrants.

Battleship in four quadrants

fold
here