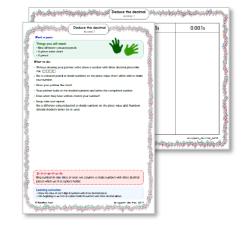
# Year 4: Week 6, Day 5 Draw polygons on the co-ordinate grid

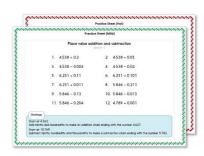
Each day covers one maths topic. It should take you about 1 hour or just a little more.

- 1. Start by reading through the Learning Reminders. They come from our *PowerPoint* slides.
- Tackle the questions on the Practice Sheet. There might be a choice of either Mild (easier) or Hot (harder)! Check the answers.

3. Finding it tricky? That's OK... have a go with a grown-up at A Bit Stuck?

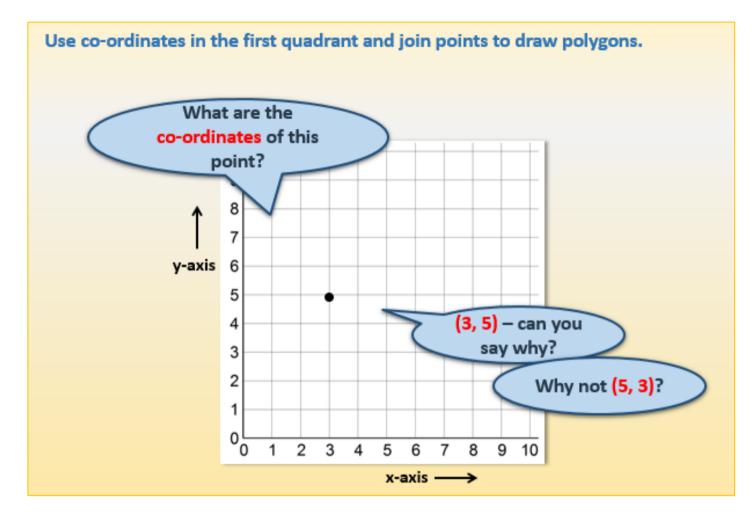
4. Think you've cracked it? Whizzed through the Practice Sheets Have a go at the **Investigation**...





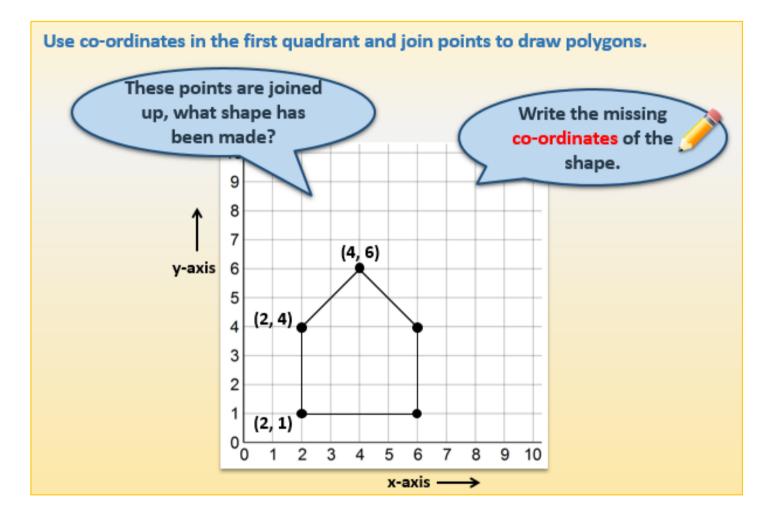
Write a number that goes between 2.3 and 2.4.

### **Learning Reminders**

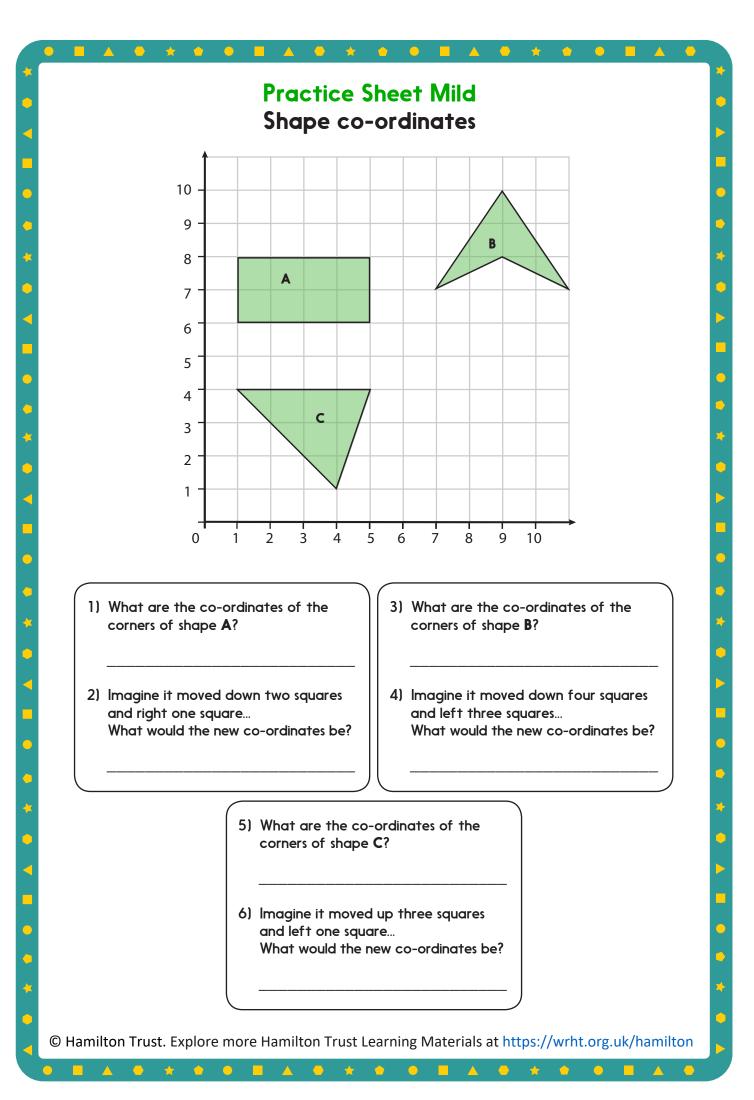


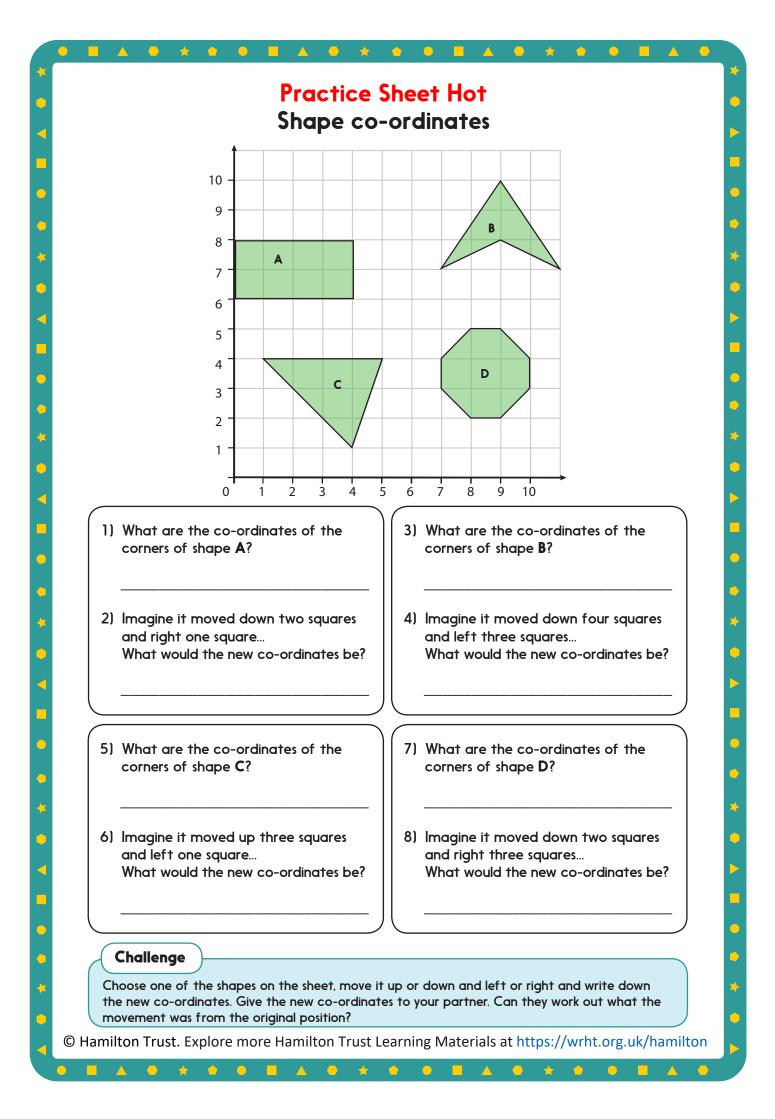
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## **Learning Reminders**



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## **Practice Sheet Answers**

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#### Shape co-ordinates (mild)

- 1, Shape A co-ordinates are (1, 6), (1, 8), (5, 6) and (5, 8)
- 2. (2, 4), (2, 6), (6, 4) and (6, 6)
- 3. Shape B co-ordinates are (7, 7), (9, 8), (9, 10) and (11, 7)
- 4. (4, 3), (6, 4), (6, 6) and (8, 3)
- 5. Shape C co-ordinates are (1, 4), (4, 1) and (5, 4)
- $6. \quad (0, 7), (3, 4) \text{ and } (4, 7)$

#### Shape co-ordinates (hot)

- 1, Shape A co-ordinates are (0, 6), (0, 8), (4, 6) and (4, 8)
- 2. (1, 4), (1, 6), (5, 4) and (5, 6)
- 3. Shape B co-ordinates are (7, 7), (9, 8), (9, 10) and (11, 7)
- 4. (4, 3), (6, 4), (6, 6) and (8, 3)
- 5. Shape C co-ordinates are (1, 4), (4, 1) and (5, 4)
- 6. (0, 7), (3, 4) and (4, 7)

- 7. Shape D co-ordinates are (7, 3), (7, 4), (8, 2), (8, 5), (9, 2), (9, 5), (10, 3) and (10, 4)
- 8. (10, 1), (10, 2), (11, 0), (11, 3), (12, 0), (12, 3), (13, 1) and (13, 2)

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A Bit Stuck?

If you'd like some extra practice using co-ordinates, play **Cali and the Co-ordinate System**:

https://www.math10.com/en/math-games/games/geometry/games-cali-coordinate-system.html

How quickly can you move Cali to the new co-ordinates 10 times? Play again. Were you quicker this time?

### All Square

- Draw a square on your grid, using the lines of the grid as the sides of the shape.
- Now label each vertex with its co-ordinates.
- Take a close look at the co-ordinates... What do you notice?
- Draw a different square; label its co-ordinates ... Do you see a pattern?
- Repeat with another square to test your theory.

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## A Bit Stuck?

