#### Knowledge Organiser: Year 7 Maths; Co-ordinate Geometry (Part 1)

(6, 4)

Coordinate (x. u)

Coordinates in four quadrants

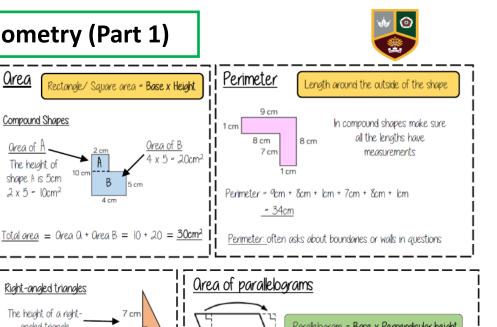
y-axis

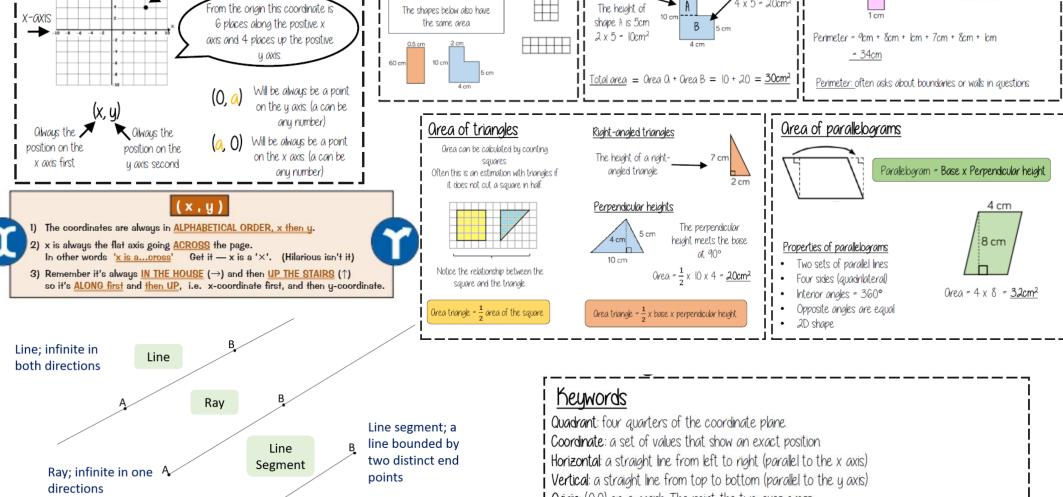
Shapes with the same area

All the shapes have an area of

12 squares. -

 $12 \text{ cm}^2$  — they are all made up of



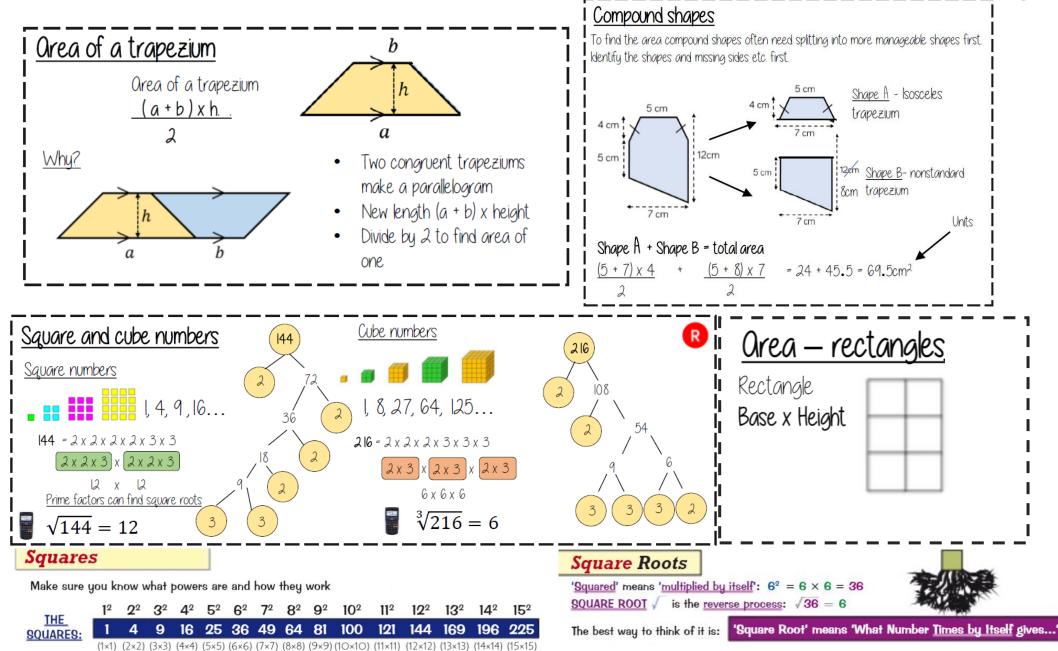


We can find the length of a line segment because it has two end points. We can't measure lines and rays!

Origin: (0,0) on a graph. The point the two axes cross **Grea:** Space inside a 2D object Perimeter: Length around the outside of a 2D object Perpendicular: Ot an angle of 90° to a given surface

## Knowledge Organiser: Year 7 Maths; Co-ordinate Geometry (Part 2)







# How do we use Knowledge Organisers in Mathematics?

### How can you use knowledge organisers at home to help us?

- **Retrieval Practice:** Read over a section of the knowledge organiser, cover it up and then write down everything you can remember. Repeat until you remember everything.
- **Flash Cards:** Using the Knowledge Organisers to help on one side of a piece of paper write a question, on the other side write an answer. Ask someone to test you by asking a question and seeing if you know the answer.
- **Mind Maps**: Turn the information from the knowledge organiser into a mind map. Then reread the mind map and on a piece of paper half the size try and recreate the key phrases of the mind map from memory.
- **Sketch it:** Draw an image to represent each fact; this can be done in isolation or as part of the mind map/flash card.
- **Teach it:** Teach someone the information on your knowledge organiser, let them ask you questions and see if you know the answers.

### How will we use knowledge organisers in Mathematics?

Knowledge organisers will be used before I complete a Learning Check or Common Assessment. I will spend part of the lesson looking over each of the key topics of the half term before completing the Learning Check or Common Assessment.

I will also use these at home to complete my own independent learning and revision of these key topics.

## GLUE HERE