### What you need to know:



# Tips for planning a good journey:

- Decide how far you would like to travel, then look for additional places you would like to stop in along the way;

- Remember to plan regular rest stops

- Check planner road works and consider their effects on your journey

- Leave plenty of time for additional rest breaks or for any unforeseen circumstances.

### Working out areas:

<u>Area of a rectangle</u> = height x width;  $cm^2$ 

# Working out volumes:

<u>Volume of a rectangular box</u> = length x height x width;  $cm^3$ 

<u>Volume of a cube</u> = side<sup>3</sup>;  $cm^3$ 

<u>Volume of a cylinder</u> =  $\pi$  x radius<sup>2</sup> x height; cm<sup>3</sup>

#### Vocabulary

Data display - a visual representation of data, such as graphs and charts

Solid shapes – three-dimensional objects (3D); solid shapes have a width, a height and a depth

Nets of shapes – a term used to describe what a 3D shape looks like if it was opened out and laid flat or unfolded

Quadrilateral - a four-sided polygon

Polygon – a plane figure with at least three straight sides and angles

Properties of figures – details about angles and number of sides

Mathematics Short Course Module 4A – Geometry and measure - Knowledge organiser