Area and volume

Area

The amount of space covered by a shape is called its **area**.

Example The area (amount of space covered) of the pink towel is greater than the area of the blue towel.





218 CHAPTER 11 : MEASURES

GM2-1: Create and use appropriate units and devices to measur length, area, volume and capacity, weight (mass), .

Area must be measured with a unit that has an area. The area units must all join together with no gaps. Activity 6 1 Jess drew these shapes on the sand. Which has the bigger area, A or B? Α O В

- 2 a How many purple squares will fit on the pink square?
 - b How many blue circles will fit on the pink square?
 - c Do you think it is better to find the area of the pink square using the purple square or the blue circle? Why?





CHAPTER 11 : MEASURES 219



Visualise, estimate, and measure the area of 2-D shapes covered with squares of identical size

Area

The amount of **space covered** by a shape is called its **area**.

The units used to measure area must all be the same size and join together with no gaps and no overlapping.

This is a square centimetre. It can be used to measure area.

Discussion • Squares are good units to 1 cm 1 cm

measure area. Why? • Why do you think the blue square is called a square centimetre?



216 CHAPTER 12 : PERIMETER, AREA AND VOLUME

GM2-1: Create and use appropriate units and devices to measure length, area, volume





Area using squares or half squares







Area using squares or half squares





Area applying multiplication introduction to the use of the formula



