**Year 6: MEASUREMENT**

*Solve problems using formula for area*

1. Write down the formula to find the area of a rectangle.
2. Mr Kinley bought some carpet for a room which measured

**14.5 m** by **8 m**. How much carpet did he buy?

1. A rectangular piece of paper has an area of **24 cm2**. What are the possible lengths of its sides?
2. Ayesha’s garden was rectangular. The length was **12 metres** and the width was **7.5 metres**. What was the area of Ayesha’s garden?
3. The perimeter of a school playground measured

**15 m x 18 m**. The children could not play in a three metre square garden in the playground. What was the area of the playground where the children could play?

1. Suffaya made a model of her school. The total area of the model school yard shown below is **36 cm2**. What is the total length of the model school wall? (drawing not to scale).

 