



Ward Green Primary School

Problem Solving – Purchase of New Dining Tables

Mrs Reekie is currently looking into purchasing some new dining tables for the school which will be used during lunchtime. Can you please help her to assess how many tables to purchase.

The school hall is 12.19 metres long and 8.33 metres wide.

A small oval dining table which seats 10 is 2.185 metres long and 1.77 metres wide.

A large oval dining table which seats 12 is 3.43 metres long and 1.77 metres wide.

A rectangle dining table which seats 16 is 3.08 metres long and 1.52 metres wide.

How many small oval dining tables can we fit into the hall.

How many Large oval dining tables can we fit into the hall.

How many rectangle dining tables can we fit into the hall.

What is the maximum number of seats available if we purchase the oval tables.

What is the maximum number of seats available if we purchase the round tables.

What is the maximum number of seats available if we purchase the rectangle tables.

There should be sufficient space available for movement of pupils.