

Learning Objective: beginning to understand error bounds

A pencil has a length of 11cm to the nearest cm	Peter weighs 60kg to the nearest 10 kgs
20,000 people attended a football match (to 1 significant figure)	The speed of lights is 300000000 m/s to one significant figure
The length of a table is 1.8m to 2 significant figures	An insect is 0.0345m to 3 significant figures

Beginning to solve compound errors

One of Mr Yates's strides is 2m to the nearest metre. What is the longest and shortest he could walk in 10 strides?	Sam has two bits of metal. Piece A is 2m (1 sf) and piece B is 2.5m (2 dp). What is the longest and shortest COMBINED length of the two pieces of metal
A rectangle has sides 1.5cm (2dp) and 3.25cm (3dp). What is the maximum and minimum possible area of the rectangle?	Lillian has a piece of plastic which is 5m long (1 sf). She cuts off 2.4m (to dp). What is the maximum and minimum possible length of the left-over piece of plastic

