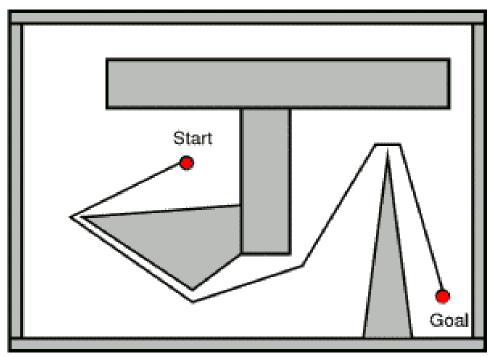
RATIO APPLICATIONS ROBOT MAZE



The maze for a robot test is shown below. The diagram has a Scale Factor of 1: 250 which means that the real maze is 250 times larger than this diagram.

Use a <u>ruler</u> to measure the lengths of each leg of the robot's journey in millimetres. Complete the table below to find the total real journey length.



LEG	DIAGRAM DISTANCE (mm)	REAL DISTANCE (mm)
1		
2		
3		
4		
5		
6		
TOTAL DISTANCE IN METRES =		

ANSWER

Total distance = 46.5 m approx.