

# QUEST OF NINE

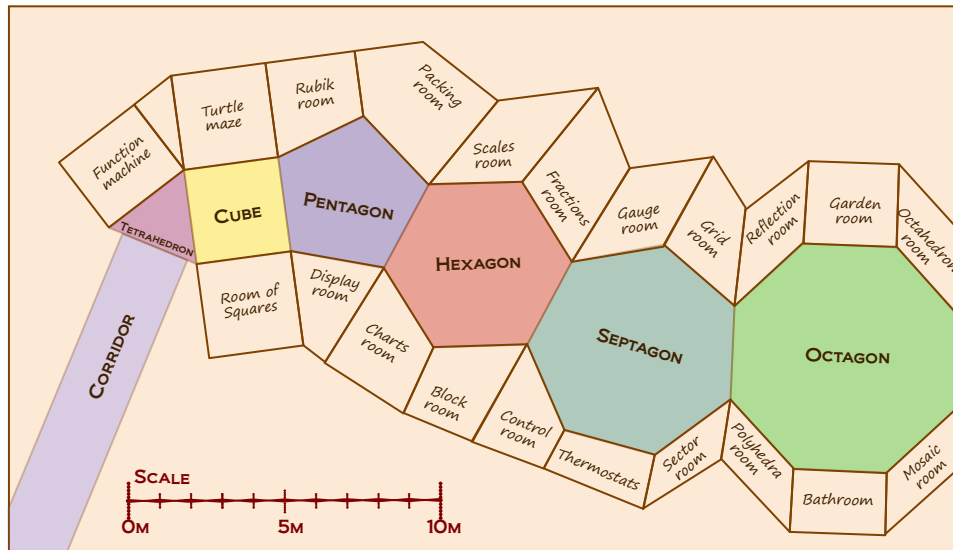
## Record sheet

The Quest of Nine is a quest which can be completed by solving problems using your mathematical knowledge.

The quest may take you quite a while over a number of sessions.

You can use the Map to go back to a room you have visited before - BUT you must have its Key Number to enter the room.





Use this record sheet to keep a record of the solutions you find and the rooms' Key Numbers.



Room	Key	Problems	Solutions
The Entrance		Magic square number	
Corridor		Last panel	
Tetrahedron Tower		Triangular Maze	
Function Room			
		<b>fm1</b>	
		f1	
		f2	
		f3	
		f4	
		f5	
		<b>fm2</b>	



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		f1	
		f2	
		f3	
		f4	
		f5	
Cube Room		Tiles on wall and ceiling	
Turtle Maze		Turtle mazes	
Room of squares			
		Number board 1	
		Number board 2	
		Number board 3	
		Number board 4	
		Number board 5	
		Sum of the Number Board numbers	
<b>Pentagon Room</b>		Pentagon mosaic tiles	
			
			
			
			
Rubik Room		Different types of cube	
Packing Room		Total cubes remaining	
Display Room		Cubes used in the sculpture	
		Volume of the sculpture	cm <sup>3</sup>



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<b>Hexagon Room</b>		Hexagon mosaic tiles	
Charts Room		Weight of 1 litre of water	grams
Fractions Room			
		Panel 1	
		Panel 2	
		Panel 3	
		Panel 4	
		Panel 5	
Scales Room		Water in the tank	= gallons litres
Block Room		Surface area of the block	cm <sup>2</sup>
<b>Septagon Room</b>			
Sector Room		Sectors as percentages	
		Sector Room floor area	square feet
Grid Room		Septagon coordinates	a) , b) , c) , d) , e) , f) , g) ,
		Grid Room floor area	m <sup>2</sup>
		Whole squares inside the septagon	
Gauge Room		Thermostat temperature	°C
		Hot water temperature	= °C °F



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		Freezer temperature	°C
		Oven temperature	Gas mark = °F = °C
		Gauge Room floor area	m <sup>2</sup>
Control Room		Water tank usage	1) 2) 3) gallons 4) gallons 5) minutes
		Water remaining after 5 days	gallons
		Control Room floor area	square metres
Thermostat Room		Temperatures	1) °C 2) °C 3) °C 4) °C 5) °C
		Thermostat Room floor area	square feet
Octagon Room		Octagon floor tiles	
Bathroom		Ceiling height	cm
Reflection Room		Octagon reflection coordinates	a) , b) , c) , d) , e) , f) , g) , h) ,
Garden Room		Area of the lawn	m <sup>2</sup>



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Octahedron Room		Surface area of the octahedron	cm <sup>2</sup>
Polyhedra Room		Triangular faces	
		Pentagonal faces	
Mosaic Room		Angles	a) b) c) d) e)
Room of Nine			

