**Garden Task**

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| MNU 3-01a MNU 3-03a MNU 3-07a MNU 3-09a,b MNU 3-11a MTH 3-11b | |
| **Success Criteria**   * Use rounding in context to help calculate cost. * Communicates and justifies strategies used to solve problems. * Use knowledge of percentage calculations to carry out calculations with and without a calculator. * Demonstrate understanding of best value when comparing services and choosing the best value and justifying choice. * Budgets effectively showing development of increased financial capability. * Calculate the area of a 2D shape where units are inconsistent. * Find the area of compound 2D shapes and explains the method used. * Use formula to calculate area of a rhombus. |  |

Skye has just purchased a new house and decides to have her garden designed as demonstrated in the diagram.

She has sourced two companies to lay the grass. She is provided with the following prices:

**Supergrass**

Grass: **£7.50** per square metre

Astrograss: **£11.50** per square metre

Labour Cost Included

**Grassroots**

Grass: **£6.50** per square metre

Astrograss: **£9.50** per square metre

Labour Cost: **£150**

The premium hardwood timber decking she wants costs £35 per square metre. The labour cost to fit the decking is £350.

She has managed to get the pond priced and fitted for £300.

Decking

Lawn

4m

250cm

450 cm

10m

3.5m

2m

3m

2.5m

2m

1.5m

Skye has set herself a budget of £1600. However, she has her heart set on astrograss. She is willing to go 20% over budget if she can get the astrograss.

Can she afford to get everything including the astrograss? If so, which company should she go with? If not, what is her best option?