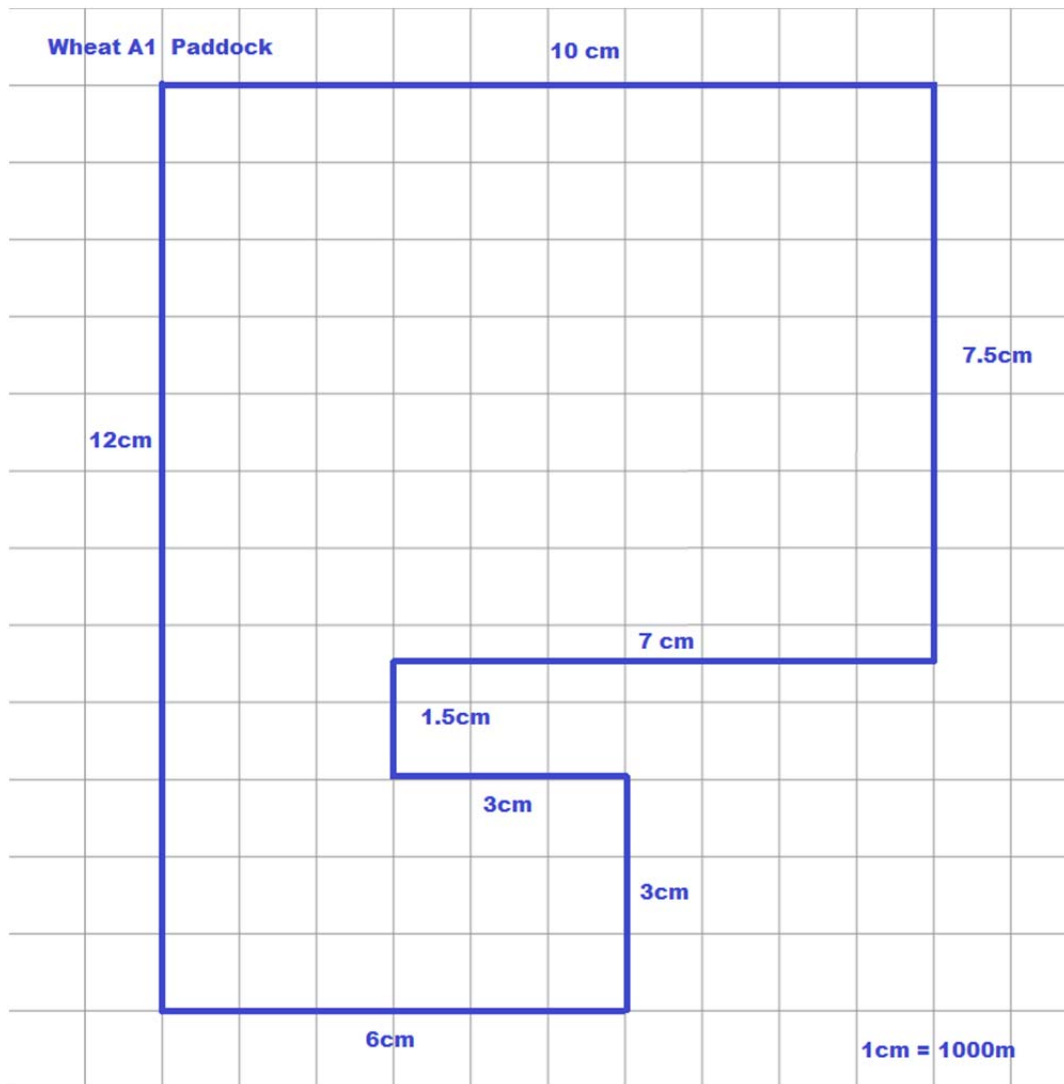**Multiplication (E) & Area (D)**   **WEEK 7**

The above is a scaled down plan of Joe's wheat paddock. He needs to work out how much seed he needs to plant this coming season.

You need to work out the total area of the paddock, and then calculate how many bags of seed are needed per square cm^2. You must also consider rainfall or irrigation when planting seed. The following table indicates how many bags of seed are needed for different conditions.

	Poor Conditions (little/ no rainfall or no irrigation)	Average Conditions (good rainfall, no irrigation)	Perfect Conditions (good rainfall, with irrigation)
Bags of seed per cm^2	9 bags/cm^2	6 bags/cm^2	4 bags/cm^2
Cost of seed per bag: $22			

Questions

1. What is the total area of the paddock?
2. How many bags of seed would Joe need if he were to plant for
   a. Poor conditions
   b. Average conditions
   c. Perfect conditions
3. How much would it cost if Joe planned to plant for average conditions?