

# Feed Budgeting



**Team Name:**

Your aim is to work out how many days the paddock will last 30 cows. Each cow needs 10kg of dry matter every day. The size of the paddock is 2ha. The paddock currently has a pasture metre reading of 1500kg of grass. The cows will eat the paddock down to 1100kg residual (grass not grazed).

**Note:**

**Residual:** This is the amount of grass that is wasted, e.g. trampled, soiled, or not eaten.

**Dry Matter:** This is a measure of feed quality. It is the weight of the feed after all the moisture has been removed.

**What a cow needs:**

Number of cows \_\_\_\_\_ X \_\_\_\_\_ kg they need

= \_\_\_\_\_ kg dry matter that the cows need

**What is in the paddock:**

\_\_\_\_\_ pasture metre reading - \_\_\_\_\_ (residual) = \_\_\_\_\_ kg grass per hectare

\_\_\_\_\_ kg grass per hectare X \_\_\_\_\_ ha (size of paddock)

\_\_\_\_\_ kg grass in paddock / \_\_\_\_\_ kg what cows need

= \_\_\_\_\_ Days of grazing in paddock



# Feed Budgeting Answers

Team Name:

## What a cow needs:

Number of cows **30** X **10** kg they need  
 = **300kg** dry matter that the cows need

## What is in the paddock:

**1500** Pasture metre reading - **1100** = **400** kg grass per hectare

**400** kg grass per hectare x **2** ha (size of paddock)

**800** kg grass in paddock / **300** kg what cows need

= **2.6** Days of grazing in paddock

## Tasks:

	Points per Task	Total Possible Points	Total Score:
<ul style="list-style-type: none"> <li>1 point per correct working out</li> </ul>	2	20	
<ul style="list-style-type: none"> <li>10 points per correct final answer (=2.6 days)</li> </ul>	10	10	
		<b>30</b>	<b>/30</b>