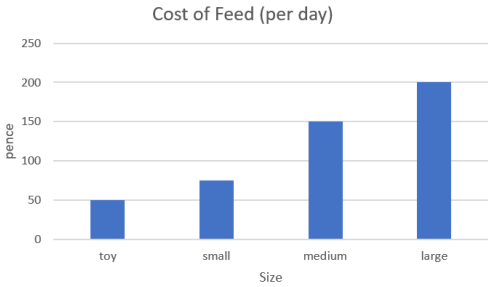
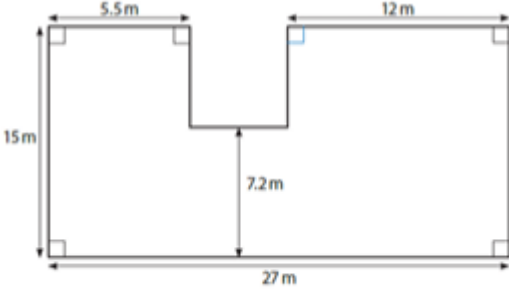


## Functional Skills Maths | Lesson Starter Quiz for Land Based Learners

<p>1. A horse eats 20lbs of food a day. Horse feed is sold in 5kg bags.</p> <p style="text-align: center;"><math>1\text{kg} = 2.2\text{lbs}</math></p> <p>Katie believes that she will need to buy 12 bags for a week. Is she correct?</p> <p style="text-align: right;">(1)</p>	<p>2. Using the following graph, how much would it cost to feed one small dog and two medium dogs in total per day?</p> <div style="text-align: center;">  <table border="1" style="margin: 10px auto; border-collapse: collapse;"> <caption>Cost of Feed (per day)</caption> <thead> <tr> <th>Size</th> <th>Cost (pence)</th> </tr> </thead> <tbody> <tr> <td>toy</td> <td>50</td> </tr> <tr> <td>small</td> <td>75</td> </tr> <tr> <td>medium</td> <td>150</td> </tr> <tr> <td>large</td> <td>200</td> </tr> </tbody> </table> </div> <p style="text-align: right;">(1)</p>	Size	Cost (pence)	toy	50	small	75	medium	150	large	200	<p>3. Kelly is a veterinary nurse. She has three appointments. How long will it take her?</p> <p style="text-align: center;">       Zeus – twenty minutes        Jim – <math>\frac{1}{4}</math> of an hour        Petal – 0.5 of an hour     </p> <p style="text-align: right;">(1)</p>
Size	Cost (pence)											
toy	50											
small	75											
medium	150											
large	200											
<p>6. The ideal ratio of nutrients in plant food is 4:1:2 for Nitrogen, Phosphorous and Potassium.</p> <p>How many kilograms of nitrogen would there be in a 14kg bag?</p> <p style="text-align: right;">(1)</p>	<p>5. What is the perimeter of this field?</p> <div style="text-align: center;">  </div> <p style="text-align: right;">(1)</p>	<p>6. Beena made a profit of £1500 last year selling crops from one of her fields.</p> <p>This year she feels the profit will be 15% more. How much money will she earn?</p> <p style="text-align: right;">(1)</p>										
<p>7. Archie wishes to clean his fish tank. He knows he must do the following steps and he knows how long it should take.</p> <ul style="list-style-type: none"> <li>• Remove water</li> <li>• Clean glass</li> <li>• Clean Filter</li> <li>• Vacuum Gravel</li> <li>• Replace Water</li> </ul> <p>How should he check if he is correct?</p> <p style="text-align: right;">(1)</p>	<p>8. Sam has a dog walking business. This is the number of dogs they walk per day across a typical week.</p> <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;">7</td> <td style="width: 20px;">5</td> <td style="width: 20px;">8</td> <td style="width: 20px;">3</td> <td style="width: 20px;">8</td> </tr> </table> <p>What is the mean number of dogs they walk?</p> <p style="text-align: right;">(1)</p>	7	5	8	3	8	<p>9. Use a reverse calculation to check your answer to question 1.</p> <p style="text-align: right;">(1)</p>					
7	5	8	3	8								