FANCY PACKS FOR THE SWEETS PANTRY
MODELLING WORKBOOK

Your name: __________________________________________________________

Your Group members:

1. ________________________________________________________________

2. ________________________________________________________________

3. ________________________________________________________________

4. ________________________________________________________________

Group Number: _____________  Class: ____________________________
1. Imagine you have to choose a pack of sweets from a display stand. There are many different colourful packs to choose from. What four things would you look for? List them in order, from the most important to the least important.

   a. ______________________________________
   
   b. ______________________________________
   
   c. ______________________________________
   
   d. ______________________________________

2. Explain how you decided:

   ______________________________________
   
   ______________________________________
   
   ______________________________________
   
   ______________________________________
   
   ______________________________________
   
   ______________________________________

   ______________________________________
MAKE YOUR SELECTIONS...

HELP THE SWEETS PANTRY

A new sweets store, the Sweets Pantry, has opened in your neighbourhood. It needs your help in filling some mysterious orders it has received from neighbourhood children. They did not say exactly what they wanted, and not all children wanted the same packs of sweets and not all children had the same amount of money to spend. Here is one order the Sweets Pantry received:

Dear Sweets Pantry,

We would like to purchase some packs of sweets but we are unsure which to choose. Can you please help us?

- We are taking the sweets on a school trip.
- We wish to impress our friends on the trip.
- We do not want to spend more than $50 and we want value for money.
- We would like to buy at least 400 grams of sweets.

Here is what the Sweets Pantry has to offer the children. In your group, use the table to create a model or way in which the Sweets Pantry could fill this order and use your model to decide which sweets packs your group would select. Record the packs you choose on page 5. The Sweets Pantry should be able to use your model to fill other similar mysterious orders.
### Sweets Packs sold at the Sweets Pantry

<table>
<thead>
<tr>
<th>Sweets</th>
<th>Cost</th>
<th>Materials</th>
<th>Packaging Type</th>
<th>Weight (grams)</th>
<th>Package Decorations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chocolate Drops</td>
<td>$7.50</td>
<td>Tissue and cellophane</td>
<td>Carry bag</td>
<td>60</td>
<td>Purple and pink ribbons</td>
</tr>
<tr>
<td>Chocolate Twists</td>
<td>$17.50</td>
<td>Cardboard</td>
<td>Rectangular box</td>
<td>75</td>
<td>Sparkles</td>
</tr>
<tr>
<td>M&amp;Ms</td>
<td>$8.00</td>
<td>Metal</td>
<td>Round tin</td>
<td>80</td>
<td>Stars and spots</td>
</tr>
<tr>
<td>Marshmallow Twists</td>
<td>$4.00</td>
<td>Metallic tissue paper</td>
<td>Carry bag</td>
<td>30</td>
<td>Stripes</td>
</tr>
<tr>
<td>Rock Candy Bites</td>
<td>$12.50</td>
<td>Vinyl</td>
<td>Soft vinyl bags</td>
<td>110</td>
<td>Floral top black ribbon</td>
</tr>
<tr>
<td>Crazy Twirls</td>
<td>$8.50</td>
<td>Paper</td>
<td>Twisted handle bag</td>
<td>60</td>
<td>Bright pink dots</td>
</tr>
<tr>
<td>Candy Crinkles</td>
<td>$6.00</td>
<td>Cardboard, Plastic</td>
<td>Rectangular box with clear plastic display</td>
<td>80</td>
<td>Christmas tree drawings</td>
</tr>
<tr>
<td>Lollipops</td>
<td>$5.00</td>
<td>Plastic</td>
<td>Clear rectangular box</td>
<td>90</td>
<td>Flower on top and blue ribbon</td>
</tr>
</tbody>
</table>
3. Use this page to make a record of the sweets packs your group chooses. Include all your working on this page.
4. You are to write a letter to the Sweets Pantry explaining your model.

Dear Sweets Pantry,

We have come up with a model that you can use to complete the orders. Here is what you can do:

__________________________________________________________________

__________________________________________________________________

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