



## **Year 9 Maths Assessment 1**

### **Number**

**Traditional food is a treasure of any country.**

**Hangi is a Maori Traditional Food.**

In this assessment you will be using your Numeracy and Literacy skills to do calculations regarding ASB PolyFest. Your Assessment is in two parts. This is Part 1.  
Part two is a Test .



Write your answer with full working on a google docs.  
Please submit a pdf copy to MHO by Tuesday March 31st.

### **Part 1 : Submit this on MHO.**

1. Cost of the class Trip.  
9M1 and 9 M2 class plus four teachers will go to Polyfest. There are 27 students in 9M1 and 28 students in 9M2.  
Everyone will travel by bus. Bus company charges \$11.50 per student and \$12.75 per adult.
  - a) Calculate the total cost for this trip.
  - b) School will get a 15% discount. How much is the discount?
  - c) The final cost of the trip will be charged to the students. How much will each student have to pay? Round your answer sensibly.

2. Hangi Meal.

a). Calculate the total cost of 100 serves and stall hire.

Stall hire will cost \$860. Mountain Whanau will pay % of this cost.

Your class will prepare 100 serves of Hangi meal to be sold at the Polyfest.

You will make some Lamb & Chicken with potatoes, kumara, pumpkin, cabbage.

1 kg of each of these ingredients plus a cabbage will make five serves. Use the link below to find the cost of these items and don't forget salt and pepper and some sauces.

Let's go shopping!!!

<https://www.paknsaveonline.co.nz/category/fresh-foods-and-bakery>

b). Your class wants to make a profit of 35%. What should the selling price per serve be? Is this price reasonable? Discuss this with any assumptions.

Criteria	<b>WORKING TOWARDS Curriculum expectation</b>	<b>Working AT curriculum expectation</b>	<b>Working ABOVE curriculum expectations</b>	<b>Working BEYOND curriculum expectation</b>
Number operation in context	You have attempted to use number operations with: <ul style="list-style-type: none"> <li>• Whole numbers</li> <li>• decimal</li> <li>• Fractions</li> <li>• Percentages and</li> <li>• Proportions</li> <li>• Order of operation</li> </ul>	You have used number operations with: <ul style="list-style-type: none"> <li>• Whole numbers</li> <li>• decimal</li> <li>• Fractions</li> <li>• Percentages and</li> <li>• Proportions</li> <li>• Order of operation</li> </ul>	You have used number operations in multiple steps with: <ul style="list-style-type: none"> <li>• Whole numbers</li> <li>• decimal</li> <li>• Fractions</li> <li>• Percentages and</li> <li>• Proportions</li> <li>• Order of operation</li> </ul>	You have used number operations in multiple steps precisely with: <ul style="list-style-type: none"> <li>• Whole numbers</li> <li>• decimal</li> <li>• Fractions</li> <li>• Percentages and</li> <li>• Proportions</li> <li>• Order of operation</li> </ul>
Number Knowledge in context	You have attempted to explain the	You have explained the method using steps	You have explained the method using multiple steps	You have explained the method using

	method using steps			multiple steps with justification
Time management	You have yet to submit your assessment	You have not submitted the assessment on time	You have submitted the assessment on time	You have submitted the assessment on time