**DINNER FOR FOUR**

You are going to make dinner for 4 of your friends. Your dinner must include a main course, drinks and a dessert. Your budget is $100.

Things to consider:

1. Your main course may include more than just one item. You can have noodles, with chicken and bread.
2. There is no tax.
3. Your guests might want more than one drink.
4. You must feed 4 people.
5. Your dinner must be creative and appealing. Choose items that taste good.

Set up your worksheet with the following headings:

**Algebraic Expression (different items, just under $100, which is our budget)**

1. Hypothesis: *The items that we think will work are:*

Main Course:

Drinks:

Dessert:

*We think these items will work because:*

1. **The Algebraic Expression**
2. **Solving for Algebraic Expression**
3. **Conclusion Statement: For our meal we will be serving:**

If we have $100 to spend, then the algebraic expression -

totals which is just under our budget.

Our hypothesis was correct/incorrect.

Algebraic Expression (4 different items, just under $60, which is our budget)

1. Hypothesis: *The four items that we think will work are:*

*We think these items will work because:*

1. The Algebraic Expression
2. Solving for Algebraic Expression
3. Conclusion Statement:

If we have $40 to spend, then the algebraic expression -

totals which is just under our budget.

Our hypothesis was correct/incorrect.

Algebraic Expression (3 different items, just under $10, which is our budget)

1. Hypothesis: *The three items that we think will work are:*

Strawberries, $1.97x2, Ice Cream $2.44x2, lemon $0.47

*We think these items will work because:*

1. The Algebraic Expression

2s + 2i + y

1. Solving for Algebraic Expression

2(1.97)+2(2.44)+0.47

3.94+4.88+0.47

9.29

1. Conclusion Statement:

If we have $10 to spend, then the algebraic expression - 2s + 2i + l

totals $9.29 which is just under our budget.

Our hypothesis was correct/incorrect.