



# EAST PRESTON ISLAMIC COLLEGE

## Year 7 Holiday Homework End of Term 3

### Instructions:

Complete the attached 'Best Buys' worksheet – You are to complete every Part.

- Part A and B requires you to go to a supermarket and compare the prices of actual items – You will have to submit a picture or advert showing the prices of the items you are comparing.
- Part C requires you to analysis the results from Parts A and B, providing reasons for why and why not people would purchase the 'Best Buy'
- Part D are further questions based on determining the 'Best Buy'

**DUE: Tuesday, First week of Term 4, 2017**

Have a safe and wonderful time on your Holidays!!!!

From your Year 7 Maths Teachers.

# 'BEST BUYS' WORKSHEET

NAME: \_\_\_\_\_

TEACHER: \_\_\_\_\_

## Part A: Quantity

(9 Marks)

Sometimes a store has two prices for the same item. One price is for buying a single item, while the other price is for buying more than one of that item.

For example, soup may cost \$1.49 for a single can or \$2.28 for two cans. In this case, if you buy two cans, you will pay less per can. Sometimes buying in quantity saves money.

Select 3 different items, in which, each item is available in different quantities, and complete the 3 tables below, 1 table per item.

### 1. ITEM:

Quantity	Cost	Cost per Unit

For your item above, which quantity was the 'best buy'?

\_\_\_\_\_

### 2. ITEM:

Quantity	Cost	Cost per Unit

For your item above, which quantity was the 'best buy'?

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**3. ITEM:**

Quantity	Cost	Cost per Unit

For your item above, which quantity was the 'best buy'?

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**Part B: Amount/ Size**

**(9 Marks)**

Many times, items are packaged in different sizes. Sometimes shoppers save money by selecting a larger container of the same item.

For example, a 2-litre carton of milk often costs less by amount than a litre of milk.

Select 3 different items, in which, each item is available in different amounts, and complete the 3 tables below, 1 table per item.

**1. ITEM:**

Amount/ Size	Cost	Cost per Unit

For your item above, which amount/ size was the 'best buy'?

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2. ITEM:

Amount/ Size	Cost	Cost per Unit

For your item above, which quantity was the 'best buy'?

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3. ITEM:

Amount/ Size	Cost	Cost per Unit

For your item above, which quantity was the 'best buy'?

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**Part C: Analysis**

**(6 Marks)**

Knowing which quantity or amount/ size of a product is the cheapest per unit, allows someone to make an informed decision when shopping.

As such, provide 3 reasons why someone **WOULD** purchase the 'best buy' products.

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And, provide 3 reasons why someone **WOULD NOT** purchase the 'best buy' products.

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3.

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## Part D: Questions

(32 Marks)

### Question 1.

(9 Marks)

Calculate the unit price for each of the following sets of items, and highlight the 'best buy':

A.	1 for \$1.25	2 for \$2.45	3 for \$3.90
B.	4 for \$98	6 for \$145.80	12 for \$288.60
C.	1 liter for \$1.27	2 liters for \$2.28	3 liters for \$3.60



**Question 2**

**(3 Marks)**

A. A 45g single serve box of breakfast cereal costs \$1.00, calculate the price per kilogram?

B. The same cereal is available in a 500g box for \$5.79. What is the price per kilogram of the cereal in the 500g box?

C. How much more per kilogram is the cereal in the 45g box compared to the 500g box?

**Question 3**

**(6 Marks)**

Water can be bought in either 400mL for \$1.20, 750mL for \$2.00 and 2L for \$5.50. Which is the 'best buy' and by how much per litre is it a better buy compared to the other two?

**Question 4**

**(4 Marks)**

How many of the following containers are required to make 1 kg? (Show your working out)

A. 250g packets of dried fruit	B. 100g packets of mints
C. 400g tins of vegetables	D. 220g tins of baked beans

**Question 5**

**(4 Marks)**

Hand wash is on offer at Coles and Woolworths.

**Coles**            500ml bottles on offer at 3 for 2.

**Woolworths**    300ml bottles on offer at buy one get one free.

Where is the hand wash better value, at Coles or Woolworths? You must show your working.





**Question 6**

**(6 Marks)**

Aisha wants to buy the new iPhone. The iPhone is currently sold in two different shops;

**JB HiFi**            10% off the usual price of \$1150.00

**Apple Store**    \$999.00 plus 5%

Work out the difference in price between to two shops, and determine where Aisha is better off buying the iPhone? You must show your working.