

Subject: Mathematics
Level: Standard Four
Strand: Number
Topic: Money Transactions (Best buy)



By the end of this worksheet, you will be able to:

- Identify the “best buy” for items given different cost options.



Key Points:

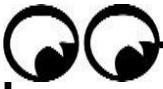
- The **best buy** is the **cheapest unit cost** or the least amount of money that is paid for **an item** or **a set of similar items**.
- When you are asked to calculate the best buy, you are usually given **different bargains** to compare.
- The best buy option is the one that has the **cheapest price** for **one item** or **one unit of measurement**.
- The cost of one item is calculated by **dividing** the total price by the **number of items** in the group or set.



Resources: It is advised that you view the video on the link below to enrich your understanding of concept of best buy.

https://www.youtube.com/watch?v=Sah_q6YkF5o

Pay careful attention to the third and fourth examples. They are just like money since they have two decimal places.



WORKED EXAMPLES

Example 1

Dollar Saver Supermarket is selling potatoes at \$24.32 for 4 kilograms while Price Cutters Supermarket is selling similar potatoes at \$19.80 for 3 kilograms. At which supermarket will you get the best buy?

Dollar Saver Supermarket

4 kg = \$24.32

1 kg = \$24.32 ÷ 4

1 kg = \$6.08

$$\begin{array}{r} 06.08 \\ 4 \overline{) 24.32} \\ \underline{-24} \\ 003 \\ \underline{-0} \\ 32 \\ \underline{-32} \\ 00 \end{array}$$



Price Cutters Supermarket

3 kg = \$19.80

1 kg = \$19.80 ÷ 3

1 kg = \$6.60

$$\begin{array}{r} 06.60 \\ 3 \overline{) 19.80} \\ \underline{-18} \\ 018 \\ \underline{-18} \\ 000 \\ \underline{-0} \\ 0 \end{array}$$



The cost of 1 kilogram of potatoes at Dollar Saver Supermarket is \$6.08.

The cost of 1 kilogram of potatoes at Price Cutters Supermarket is \$6.60. 6.60

The best buy is at Dollar Saver Supermarket 6.08

since the cost of 1 kg of potatoes is 52¢ less. 0.52

Example 2 Which store has the best buy?



Store A

\$30.00 per dozen

12 pencils = \$30.00

1 pencil = \$30.00 ÷ 12

1 pencil = \$2.50

$$\begin{array}{r} 02.50 \\ 12 \overline{) 30.00} \\ \underline{-24} \\ 060 \\ \underline{-60} \\ 000 \\ \underline{-0} \\ 0 \end{array}$$



Store B

\$22.50 for 10

10 pencils = \$22.50

1 pencil = \$22.50 ÷ 10

1 pencil = \$2.25

$$\begin{array}{r} 02.25 \\ 10 \overline{) 22.50} \\ \underline{-20} \\ 025 \\ \underline{-20} \\ 050 \\ \underline{-50} \\ 0 \end{array}$$

Store B has the cheapest unit price, therefore the best buy!



INSTRUCTIONS: Read each question carefully.



Use the spaces provided to insert your answers.

1) Mummy went to buy grocery items and saw the following offers for the purchase of **the same brand** of canned tuna:

8 tins for \$68.00

5 tins for \$45.00

a) Which offer is the best buy?

Answer: _____

b) How much less will mummy spend for one tin of tuna when she chooses the best buy option?

Answer: _____

2) At the school tuck shop, a pack containing **4 plums cost \$2.60** while one pack with **6 plums cost \$3.96**.

Which pack of plums is the better deal?

Answer: _____

3) The following options are available for purchasing **the same brand** of erasers at Cunningham's Bookstore:

10 erasers for \$26.50

8 erasers for \$22.00

2 erasers for \$5.90

Which option is the best buy?

Answer: _____

4) At City Mart Wholesalers, rolls of paper towel are being sold in bags of 12 for \$109.44 and bags of 25 for \$224.75. **Both bags contain the same brand of paper towel.**

a) Which option is the best buy?

Answer: _____

b) What is the **difference** in the **unit cost** of both bags?

Answer: _____

5) Ken wanted to purchase batteries for his remote control toys. After shopping around **for the same brand**, he found the following options at the named businesses:

Business Place	Quantity	Cost
Mr. Chin's Parlour	3 batteries	\$15.00
JT Pharmacy	6 batteries	\$26.28
Prices Supermarket	20 batteries	\$87.80

Which business has the best buy option?

Answer _____

ANSWER KEY

- 1) a) Offer A: 8 tins for \$68.00
b) 50¢
- 2) The pack containing 4 Plums
- 3) Option 1: \$26.50 for 10 erasers
- 4) a) The bag of 25 paper towels
b) 13¢
- 5) JT Pharmacy