**Lesson 8**

|  |
| --- |
| Topic Goal: Unit Price  |

Unit price is the price for just **ONE** item. It is a good way to compare prices and find the better deal.

Price of all items ÷ Number of all items

Unit price:

|  |
| --- |
| Example(s):  |

Price of all items ÷ Number of all items

Unit price =

 A box of 12 donuts costs $6.50. Find the unit price

Remember: The unit price is the price of one donut

Price of the donuts ÷ Number of all donuts in the box

Unit price =

Unit price = $6.50 ÷ 112

 = $0.54

 = Each donut costs $0.54

1. For a box of pens, Erin finds 2 choices.

|  |  |
| --- | --- |
| Options 1: 4 pens for $3.65 | Option 2: 10 pens for $8.50 |

Which option should she choose?

Option 1: Unit Price = Pack of pens ÷ number of pens in pack

 = $3.65 ÷ 4

 = $0.91

 = Each pen costs $0.91

 Option 2: Unit Price = Pack of pencil ÷ number of pencils in pack

 = $8.50 ÷ 10

 = $0.85

 = Each pen costs $0.85

 Therefore Option 2 is a better buy

|  |
| --- |
|  Practice Questions:  |

1. Calculate the unit price for each item
	1. A bag of 6 bagels costs $5.98
	2. A package of 10 pencils costs $3.50
	3. A carton of 12 eggs cost $4.45
2. Student council finds some options for their cookie sale. For each option find the unit price (price per cookie)

|  |  |
| --- | --- |
| Option | Unit Price |
| Option 1: Package of 20 cookies for $32.00 |  |
| Option 2: Package of 30 cookies for $46.00 |  |
| Option 3: Package of 40 cookies for $ 60.00 |  |

1. Which option is the best buy? How do you know?
2. Is the lowest unit price always the best buy? Why or why not?
3. For each of the items in the table, 2 options are given. Calculate the unit price for each option and circle the lowest unit price for each option

|  |  |  |  |
| --- | --- | --- | --- |
| Option 1 | Unit Price | Option 2 | Unit Price |
| 10 pencils for $3.98 |  | 15 pencils for $4.50 |  |
| 2 cans of soup for $2.50 |  | 10 cans of soup for$13.50 |  |
| 9 granola bars for $2.80 |  | 4 granola bars for $1.80 |  |

1. Kimesha has 2 choices for highlighters. Which is the better buy? Explain why.
	1. One highlighter for $1.98
	2. Two highlighters for$3.50

|  |
| --- |
|  Assessment:  |

1. For each of the items in the table, 2 options are given. Calculate the unit price for each option and circle the lowest unit price for each option

|  |  |  |  |
| --- | --- | --- | --- |
| Option 1 | Unit Price | Option 2 | Unit Price |
| 10 donuts for $4.50 |  | 20 donuts for $8.75 |  |
| 2 bars of soap for $3.50 |  | 10 bars of soap for $18.00 |  |
| 9 chocolates for $5.45 |  | 4 chocolates for $2.20 |  |

1. Anna is grocery shopping and juice boxes are on sale. There is a pack of 6 for $2.50 or a pack of 8 for $3.50. Calculate the unit price and determine which buy is the better deal.
2. A restaurant owner is trying to find the best deal on crates of tomatoes. Cartons contain 25 tomatoes. Calculate the following options and find the best price.

|  |  |  |  |
| --- | --- | --- | --- |
| Option 1 | Unit Price | Option 2 | Unit Price |
| 1 crate for $26.50 |  | 2 crates for $49.99 |  |