Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Week of Monday, October 8th - Wednesday, October 10th Guided Notes**: Cost Per Unit**

**Monday, October 8th**

**> Do Now:**

1. What did you do to prepare for your test? **BE SPECIFIC.**
2. How much time did you spend preparing for your test?
3. What could you have done better to prepare for you test? **BE SPECIFIC.**
4. How do you think you did on your test?

**> Cost Per Unit**

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| **Example 1**: Mackenzie and her mom go to the store and buy a 24 ounce box of cereal. It costs them $5.28. What is the unit price of the cereal? |
| **Example 2**: Mr. Garrett buys a 40 ounce box of crackers for the concession stand and it costs $5.20. What is the unit price per ounce of the crackers? |
| **Example 3**: Cordarius brings a package of Gatorade in for the football team. He brings in a case with 24 Gatorades. The case cost Cardarius’ mom $20.88. What is the unit price of the Gatorade? |
| **Example 4**: Mr. Lowe purchases the track team 36 pairs of socks. The total, before tax, was $260.28.What is the unit price of the socks? |
| **Example 5**: Dr. Brown purchases a case of pens for every teacher. If one case has 100 pens and costs $25.00 what is the unit price of the pens? At this unit price, how much would 150 pens cost? |
| **Example 6**: The volleyball team buys a box of snacks for them to eat before the game. They buy a large box of 48 bags of chips for $9.72. What is the cost per bag of chips? At this price, how much would 100 bags of chips cost? |
| **Example 7**: Ms. Misconish buys pizza for her class to celebrate homecoming week. She buys 15 pizzas with a total of 120 slices for a total of $135.00. What is the cost per piece of pizza? At this unit price, how much would 160 slice of pizza cost? |
| **Example 8**: Ms. Misconish bought a box of Student of the Week pencils. There were 180 pencils in the box and it cost her $35.50. What was the cost per pencil? At this price, how much would 250 pencils cost? |
| **Example 9**: The girls track team is buying soda for all the runners. They're on a budget and want to spend as little money as possible. Which size has the best price per fluid ounce?   |  |  | | --- | --- | | **Size** | **Cost** | | **6** | **$2.64** | | **12** | **$5.76** | | **18** | **$10.24** | | **24** | **$19.20** | |
| **Example 10**: The 8th graders are going on their class trip to Chicago and are wondering how long they should go. The table lists the price for days at the hotel. How long should the grade go if they want to spend the least amount of money?   |  |  | | --- | --- | | **Days** | **Cost** | | **4** | **$730** | | **8** | **$1,420** | | **12** | **$1,900** | | **19** | **$3,055** | |
| **Example 11**: Ceirsten compared the price of cookies at four different stores. Which store sells the cookies at the lowest price per cookie?  - Store A sells 200 cookies for $14.00. - Store B sells 230 cookies for $20.70.  - Store C sells 270 cookies for $27.00. - Store D sells 280 cookies for $22.40. |
| **Example 12**: Ms. Jeems is buying detergent so the sports uniforms can be washed. The table shows the prices for the following varieties. Which size has the cheapest price per ounce?   |  |  | | --- | --- | | **Size** | **Cost** | | **5 lb** | **$6.50** | | **10 lb** | **$12.75** | | **25 lb** | **$31.25** | | **50 lb** | **$60.50** | |
| **Example 13**: Ms. Middleton is buying the cheerleaders new uniforms. Which store has the best buy for the uniforms?  - Store A sells 15 uniforms for $389.85 - Store B sells 10 uniforms for a total $300.00  - Store C sells uniforms $32.00 per uniform. - Store D sells 2 uniforms for a total of $58.00 |
| **Example 14**: Kroger has the following sales going on for bottles of water. What brand is the best buy?  - 24 pack of Dasani for $4.08 - 30 pack of SmartWater for $6.30  - 24 pack of Aquafina for $3.840 - 12 pack of Target Brand for $3.00 |
| **Example 15**: Carlos and his family are grocery shopping. They are deciding the best place to purchase fruit, They check prices at four different stores. Which store offers the best price per pound for apples?  - Kroger: 5 lbs of apples for $13.80. - Target: 7 lbs of apples for $18.13.  - Walmart: 3 lbs of apples for $9.15. - Piggly Wiggly: 10 lbs of apples for $26.50. |
| **Example 16**:Coach Smith is purchasing basketballs for the new season. Which store has the best price per ball?  - Dick’s Sporting Goods: 20 balls for $399. - Sports Authority: 15 balls for $322.50.  - Wal-Mart: 8 balls for $156. - Play It Again Sports: 3 balls for $66.75. |

**Tuesday, October 9th**

Do Now:

1. Antonio is looking to buy music online. Which company has the best price per song?

- Music N More: 25 sonfs for $18.25 - Jammin’ Tunes: 15 songs for $11.25

- Tunes-R-Us: 30 songs for $20.70 - Discount Songs: 10 songs for $7.30.

1. Which product is the least expensive per ounce?

* Cereal: 14 oz. -- $4.20 - Oatmeal: 12 oz. -- $3.84
* Rice: 8 oz. -- $2.64 - Honey: 16 oz. -- $5.60

Once you know how much something costs per unit, we can determine how much it will cost to buy multiple of the same item. We can also determine how much we can SAVE by buying one item over another!

**> Best Buy**

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| **Example 1**: Ms. Misconish wants to buy markers for the class. She has two different options:  - Option A: 10 markers for $1.25 - Option B: 50 markers for $4.75.  If Ms. Misconish needs 125 markers for her students, which package should she buy and how much money will she save by purchasing one option over the other? |
| **Example 2**: Ms. Shipp is ordering books for the school. She has two different packages she can order.  - Package 1: 20 books for $185 - Package 2: 50 books for $65  If Ms. Shipp is buying 160 books, which package is best and how much money will she save buying one package over the other? |
| **Example 3**: Coach Tang is buying soccer balls for the girls soccer team. He has two different packages she can order.  - Package 1: 30 soccer balls for $25. - Package 2: 12books for $12.  If Coach Tang is buying 60 soccer balls, which package is best and how much money will he save buying one package over the other? |
| **Example 4**: Ms. Misconish is buying snacks for her class who met the big goal on the last unit assessment. She has two options.  - Sam’s Club: 50 bags of chips for $30. - Cost-Co: 25 bags for $27.  If Ms. Misconish needs 200 bags of chips. Where should she buy the chips and how much money will he save buying at one store over the other? |
| **Example 5**: Ms. Pitts is buying test tubes for her science lab. She has two different options to purchase the test tubes.  - Mail-Order Store: 15 test tubes for $9.00. - Internet Order Store: 35 test tubes for $20.00.  Ms. Pitts needs 133 test tubes. Where should she buy the test tubes and how much money will he save buying from one vendor over the other vendor? |
| **Example 6**: The administration is buying agenda books for all the students at KBMS. There are two different packages they can buy the agenda books.  - Package 1: 100 books for $85.00. - Package 2: 25 books for $22.00.  The school needs 1,225 agenda books. Where should they buy the agenda books to get the cheapest price and how much money will they save buying one package over the other? |
| **Example 7**: Wal-Mart offers different packages of Oreos.  - Package 1: 3 sleeves of Oreos for $3.25. - Package 2: 5 sleeves of Oreos for $4.75.  The concession stand needs 34 sleeves for the games this week. Which package should they buy and how much money will they save buying one package over the over package? |
| **Example 8**: Ms. Misconish needs to replace all her Expo markers for whiteboard practice this week. There are two different package options at Wal-Mart.  - Package 1: 5 markers for $3.20. - Package 2: 12 markers for $7.75.  Ms. Misconish needs 36 markers. What package should she buy if she wants to spend the least amount of money and how much money will she saving buying one package over another? |
| **Example 9**: KBMS is buying balloons for the homecoming pep rally. Target has two options.  - Option A: 10 balloons for $1.35. - Option B: 25 balloons for $1.85  The school needs 220 balloons. Which package should they buy and how much money will they save buying one package over the other? |
| **Example 10**: Mr. Lowe is buying books for her class. She can buy them in the following packages.  - Package 1: 2 books for $5.00. - Package 2: 4 books for $ 8.00.  Mr. Lowe needs to purchase 45 books. Which package should she buy and how much money will she save buying the cheaper option? |