

## Comparing Costs by Using Unit Rate

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When you peruse the aisles of any grocery store, the number of choices can be overwhelming. And once you finally choose exactly what cereal or soda you want, you still have choices of size or sale. Which option is really the best deal?

To find the best price, use **unit rate**. By reducing your various options to the rate of a single unit, you can more easily compare their cost.

EXAMPLE: You want to buy a box of your favorite cereal. One box offers 22 ounces for \$2.49. A bigger 32-ounce box of cereal is on sale for \$3.79. Well, which is the better deal?

- The 22-ounce box costs \$2.49 for every 22 ounces.
- Divide \$2.49 by 22 to get a **unit rate** of 11.3¢ per ounce.
- The 32-ounce box costs \$3.79 for every 32 ounces, so the **unit rate** is 11.8¢ per ounce.

The 22-ounce box is the better deal.

So even though the bigger box is on sale, the smaller box is a better deal, and **unit rate** helped us learn that!

## Practice

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1.	Cereal	<b>Wheatems</b> 22-ounce box for \$2.79	or	<b>Mega-Os</b> 32-ounce box for \$3.50
2.	Juice	<b>Apple Farms</b> 3 cans for \$0.98	or	<b>Happy Co. Juice</b> 12 cans for \$4.14
3.	Chips	<b>AwesomeCrunch!</b> 4 bags for \$2.39	or	<b>Telly's Chips</b> 10 bags for \$5.49
4.	Yogurt	<b>Telly's Yogurt</b> 10 4-ounce cups for \$4.75	or	<b>Happy Co. Yogurt</b> 2 5.5-ounce cups for \$1.19
5.	Apples	<b>Sunshine Orchards</b> 3 pounds for \$3.79	or	<b>Nature's Love</b> \$1.29 per pound
6.	Milk	<b>Al &amp; Al's Farm</b> 1 gallon for \$3.35	or	<b>Old Bessie Milk</b> \$1.29 for a quart

## Comparing Costs by Using Unit Rate (continued)

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7.	Soda	<b>ViperDrink</b> 6 12-ounce cans for \$2.19	or	<b>Totally Soda</b> 4 16-ounce bottles for \$2.19
8.	Candy	<b>Real Co. Candy</b> 5 candy bars for \$2.49	or	<b>Elegant Chocolate</b> 20 candy bars for \$8.79
9.	Movies	<b>Yourfilmsnow.com</b> 4 movies for \$4.89	or	<b>Source Flix</b> 9 movies for \$10
10.	Books	<b>Major Publications</b> 9 books for \$39.95	or	<b>AlphaBook Deals</b> 12 books for \$55.00
11.	Music	<b>Go-go Tunes</b> 2 songs for \$1.89	or	<b>Omega Sound</b> 25 songs for \$22.25
12.	Texting	<b>National Mobile</b> 300 texts for \$9.99	or	<b>Airtime</b> 500 texts for \$17.99
13.	Pens	<b>EverWrite</b> 12 pens for \$6.99	or	<b>Inkerz</b> \$3.00 for a 5-pack
14.	Paper	<b>Yes Pulp Paper</b> 500 sheets for \$6.05	or	<b>North Paper Co.</b> 10,000 sheets for \$139.99

## Why Learn about Unit Rate?

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To answer that question, write the first letter of the correct answer's company names in order on the line below.

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1    2    3    4    5    6    7    8    9    10    11    12    13    14

# Comparing Costs by Using Unit Rate

**KEY**

When you peruse the aisles of any grocery store, the number of choices can be overwhelming. And once you finally choose exactly what cereal or soda you want, you still have choices of size or sale. Which option is really the best deal?

To find the best price, use **unit rate**. By reducing your various options to the rate of a single unit, you can more easily compare their cost.

EXAMPLE: You want to buy a box of your favorite cereal. One box offers 22 ounces for \$2.49. A bigger 32-ounce box of cereal is on sale for \$3.79. Well, which is the better deal?

- The 22-ounce box costs \$2.49 for every 22 ounces.
- Divide \$2.49 by 22 to get a **unit rate** of 11.3¢ per ounce.
- The 32-ounce box costs \$3.79 for every 32 ounces, so the **unit rate** is 11.8¢ per ounce.

The 22-ounce box is the better deal.

So even though the bigger box is on sale, the smaller box is a better deal, and **unit rate** helped us learn that!

## Practice

1.	Cereal	<b>Wheatems</b> 22-ounce box for \$2.79 <i>12.7¢ per ounce</i>	or	<b>Mega-Os</b> 32-ounce box for \$3.50 <i>10.9¢ per ounce</i>
2.	Juice	<b>Apple Farms Juice</b> 3 cans for \$0.98 <i>32.7¢ per can</i>	or	<b>Happy Co. Juice</b> 12 cans for \$4.14 <i>34.5¢ per can</i>
3.	Chips	<b>AwesomeCrunch!</b> 4 bags for \$2.39 <i>59.8¢ per bag</i>	or	<b>Telly's Chips</b> 10 bags for \$5.49 <i>54.9¢ per bag</i>
4.	Yogurt	<b>Telly's Yogurt</b> 10 4-ounce cups for \$4.75 <i>11.9¢ per ounce</i>	or	<b>Happy Co. Yogurt</b> 2 5.5-ounce cups for \$1.19 <i>10.8¢ per ounce</i>
5.	Apples	<b>Sunshine Orchards</b> 3 pounds for \$3.79 <i>\$1.26 per pound</i>	or	<b>Nature's Love</b> \$1.29 per pound <i>\$1.29 per pound</i>
6.	Milk	<b>Al &amp; Al's Farm</b> 1 gallon for \$3.35 <i>83.8¢ per quart</i>	or	<b>Old Bessie Milk</b> \$1.29 for a quart <i>\$1.29 per quart</i>

## Comparing Costs by Using Unit Rate (continued)

7.	Soda	<b>ViperDrink</b> 6 12-ounce cans for \$2.19 <i>3.0¢ per ounce</i>	or	<b>Totally Soda</b> 4 16-ounce bottles for \$2.19 <i>3.4¢ per ounce</i>
8.	Candy	<b>Real Co. Candy</b> 5 candy bars for \$2.49 <i>49.8¢ per bar</i>	or	<b>Elegant Chocolate</b> 20 candy bars for \$8.79 <i>44¢ per bar</i>
9.	Movies	<b>Yourfilmsnow.com</b> 4 movies for \$4.89 <i>\$1.22 per movie</i>	or	<b>Source Flix</b> 9 movies for \$10 <i>\$1.11 per movie</i>
10.	Books	<b>Major Publications</b> 9 books for \$39.99 <i>\$4.44 per book</i>	or	<b>AlphaBook Deals</b> 12 books for \$55.00 <i>\$4.58 per book</i>
11.	Music	<b>Go-go Tunes</b> 2 songs for \$1.89 <i>94.5¢ per song</i>	or	<b>Omega Sound</b> 25 songs for \$22.25 <i>89¢ per song</i>
12.	Texting	<b>National Mobile</b> 300 texts for \$9.99 <i>3.3¢ per text</i>	or	<b>Airtime</b> 500 texts for \$17.99 <i>3.6¢ per text</i>
13.	Pens	<b>EverWrite</b> 12 pens for \$6.99 <i>58.3¢ per pen</i>	or	<b>Inkerz</b> \$3.00 for a 5-pack <i>60¢ per pen</i>
14.	Paper	<b>Yes Pulp Paper</b> 500 sheets for \$6.05 <i>1.2¢ per sheet</i>	or	<b>North Paper Co.</b> 10,000 sheets for \$139.99 <i>1.4¢ per sheet</i>

## Why Learn about Unit Rate?

To answer that question, write the first letter of the correct answer's company names in order on the line below.

M	A	T	H	S	A	V	E	S	M	O	N	E	Y
1	2	3	4	5	6	7	8	9	10	11	12	13	14