

Shooloo-Healthy Eating Math Story Contest Sample Word Problems

Grades 3 - 12

Submit your own word problems about healthy-eating and win great prizes at https://fun.shooloo.org/contest. Check out over 4,000 word problems aligned with the Common Core at https://fun.shooloo.org/common-core-math-word-problems.

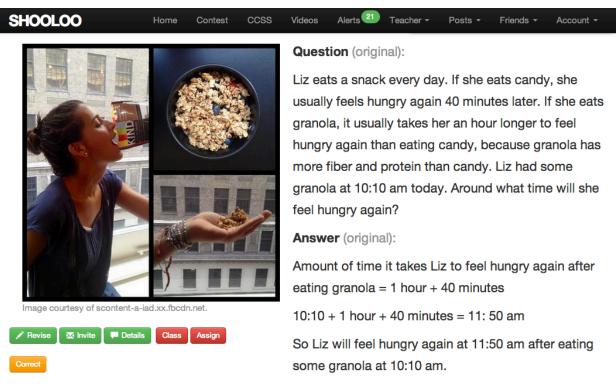
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Grade 3

For the Smartboard view with which you can hide/unhide the answer, log into Shooloo and then click on https://fun.shooloo.org/common-core-math-word-problems/4004/teacher_view



CCSS: 3.MD.1 - Tell and write time to the nearest minute and measure time intervals in minutes. Solve word problems involving addition and subtraction of time intervals in minutes.

Related Posts in the Same CCSS Standard: #127 | #134 | #125 | #94 | #179 | #236 | #249 | #301 | #306 | #584 | #338 | #915 | #917 | #1354 | #929 | #1102 | #912 | #184 | #257 | #852 | #1636 | #1687 | #294 | #295 | #3215 | #3255 |

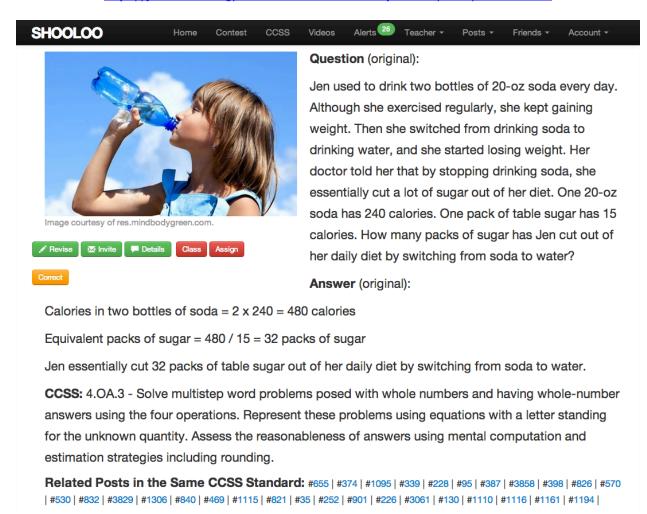
Shooloo Learning

Learn How to Learn



Grade 4

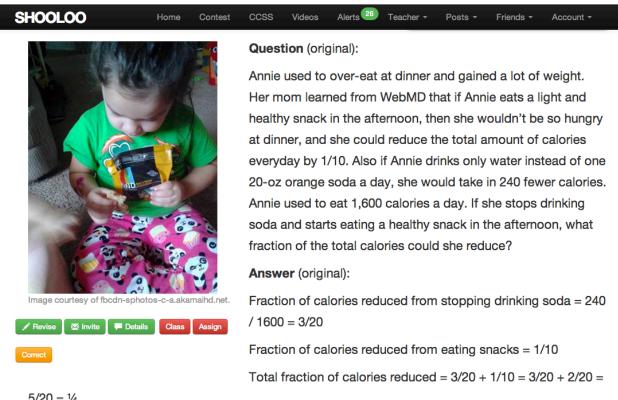
For the Smartboard view with which you can hide/unhide the answer, log into Shooloo and then click on https://fun.shooloo.org/common-core-math-word-problems/3876/teacher_view





Grade 5

For the Smartboard view with which you can hide/unhide the answer, log into Shooloo and then click on https://fun.shooloo.org/common-core-math-word-problems/3874/teacher_view



 $5/20 = \frac{1}{4}$

Annie could reduce her daily calories by 1/4 if she starts eating a healthy snack and stops drinking soda.

CCSS: 5.NF.2 - Solve word problems involving addition and subtraction of fractions referring to the same whole, including cases of unlike denominators. Use benchmark fractions and number sense of fractions to estimate mentally and assess the reasonableness of answers.

Related Posts in the Same CCSS Standard: #5 | #546 | #637 | #642 | #70 | #227 | #389 | #3963 | #3077 | #3130 | #3131 | #2169 | #3179 | #3184 | #3183 | #3182 | #2090 | #2252 | #2343 | #2344 | #2508 | #2520 | #2519 | #2581 | #2606 | #3547 | #1394 | #3546 |

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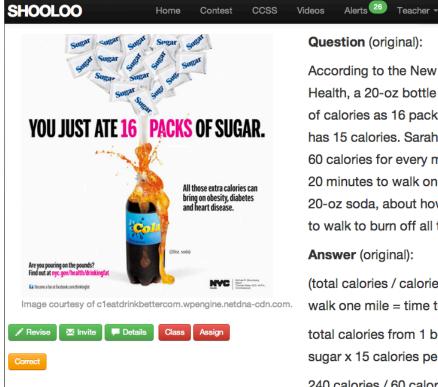


Friends -

Account -

Grade 6

For the Smartboard view with which you can hide/unhide the answer, log into Shooloo and then click on https://fun.shooloo.org/common-core-math-word-problems/3790/teacher_view



Question (original):

According to the New York City Department of Health, a 20-oz bottle of soda has the same amount of calories as 16 packs of sugar. Each pack of sugar has 15 calories. Sarah weighs 110 lbs and she burns 60 calories for every mile she walks, and it takes her 20 minutes to walk one mile. If Sarash just drank a 20-oz soda, about how many minutes does she have to walk to burn off all the calories she just drank?

Answer (original):

(total calories / calories burnt per mile) x minutes to walk one mile = time to walk off the calories

total calories from 1 bottle of soda = 16 packs of sugar x 15 calories per pack = 240 calories

240 calories / 60 calories x 20 minutes = 80 minutes.

So Sarash has to walk 80 minutes to burn off all the calories from drinking one bottle of soda.

CCSS: 6.RP.3 - Use ratio and rate reasoning to solve real-world and mathematical problems.

Related Posts in the Same CCSS Standard: #1316 | #123 | #30 | #253 | #863 | #23 | #1323 | #129 | #3074 | #3290 | #499 | #1861 | #1870 | #1787 | #1795 | #1792 | #1790 | #1786 | #1813 | #1867 | #1868 | #1865 | #1925 | #1926 | #1858 | #1860 | #1864 | #1863 | #1873 | #1929 | #1917 | #1943 | #2025 | #1997 | #3118 | #3490 | #2251 | #2464 | #2722 | #2882 | #3262 | #3026 | #3043 | #3582 | #3588 | #3653 | #3667 | #3739 | #3843 | #3871 | #1789 | #1874 |



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Grade 7

For the Smartboard view with which you can hide/unhide the answer, log into Shooloo and then click on https://fun.shooloo.org/common-core-math-word-problems/3870/teacher_view



Question (original):

Alerts 26 Teacher -

Kevin used to fall asleep in class after eating sugary snacks. He learns that snacks that are low in sugar but high in protein and fiber would keep him feel satisfied while preventing sugar crashes. He finds the following nutrition information on two different snack bars. How do the two bars compare in protein, fiber, and sugar contents if Kevin converts them to the equal serving size of 100 grams (round to 1 decimal point)?

Posts -

Nutrition per serving	KIND bar	Candy bar
Serving size (grams)	40	52.7
Calories	200	250
Fiber (grams)	3	1
Sugar (grams)	10	27
Protein (grams)	7	4

Answer (original):

To convert to 100 grams of serving, each nutrition value of the Kind bar should be multiplied by a factor of 2.5 ($1/40 \times 100 = 2.5$), and that of the Candy bar should be multiplied by a factor of 1.90 ($1/52.7 \times 100 = 1.90$), so the nutrition values after conversion are:

Nutrition per serving	KIND bar	Candy bar	Difference
Serving size (grams)	100	100	0
Calories	500	474.4	25.6
Fiber (grams)	7.5	1.9	5.6
Sugar (grams)	25	51.2	-26.2
Protein (grams)	17.5	7.6	9.9

Per 100 grams of serving, a Kind bar has 5.6 grams more fiber, 26.2 grams less sugar, and 9.9 grams more protein than a candy bar. In other words, a Kind bar has almost four times of fiber, half of the sugar, and more than twice of the protein content as a candy bar.

CCSS: 7.RP.2 - Recognize and represent proportional relationships between quantities.

Related Posts in the Same CCSS Standard: #1340 | #1026 | #1034 | #1342 | #1259 | #1265 | #1174 | #1179 | #1207 | #1397 | #1420 | #1421 | #1428 | #1413 | #1422 | #1415 | #1424 | #1758 | #1765 | #2126 | #3197 | #2271 | #3328 | #3744 | #1313 |

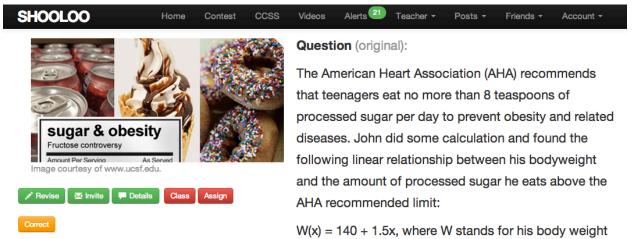
Shooloo Learning

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Grade 8

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in pounds, 140 is his ideal body weight, and x stands for teaspoons of processed sugar he eats above the AHA limit.

If John eats 35 teaspoons of processed sugar every day, how much would be his body weight?

Answer (original):

X = 35 - 8 = 27 teaspoons of sugar above the AHA limit

 $W(x) = 140 + 1.5 \times 27 = 140 + 40.5 = 180.5$ pounds

John's body weight would be 180.5 pounds

CCSS: 8.F.4 - Construct a function to model a linear relationship between two quantities. Determine the rate of change and initial value of the function from a description of a relationship or from two (x, y) values, including reading these from a table or from a graph. Interpret the rate of change and initial value of a linear function in terms of the situation it models, and in terms of its graph or a table of values.

Related Posts in the Same CCSS Standard: #3655