

Alumn@: _____

| UNIDAD DIDÁCTICA INTEGRADA Nº XX | | 1º ESO |
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| DECIMAL NUMBERS | | |
| TOPIC: iiiii LET PEPA COOK!!!! | | |
| <p>- ANLs: TIC, Maths and Economy. (Maths subject).</p> | <p>Timing: Three sessions (1st –Introduction and explaining video, Getting the prices, meal design). (2nd – Get the price of both meals. Comparison. (3rd – Ending of the calculation and Public explanation of the result)</p> | |
| OBJECTIVES | | |
| <ol style="list-style-type: none"> 1. To discover how close to us decimal numbers are. 2. To learn units for money, capacity and weight (€, L, Kg, gr, ml....). 3. To learn complex units (€/kg, €/gr, €/L,Calories...). 4. To mentally practice the decimal numbers addition or difference. 5. To multiply or divide with decimal numbers. 6. To difference fruits' shopping price and our "favourite" shopping price. (health care) 7. To learn how we can read usual decimal numbers. 8. To use English vocabulary regarding to this topic. | | |
| CONTENTS | TASK | |
| <ul style="list-style-type: none"> • Decimal numbers. Operation with decimal numbers (Maths). • Units. (Maths) • Approximate the cost and things (Economy). • Meal design (VAE).  | <ul style="list-style-type: none"> • Previous task. Get a role of prices of fruits in your favourite supermarket or visit its website to get them. We will try in the classroom as well. • Create and meal you like with fruits. (VAE) • Calculate the price of that favourite meal with the data you have from your supermarket. Don't use calculator.(Maths) • Compare it with the price of the meal you love. For that, you will previously have to get the price of it. (Maths) • Check again in the net the calories you are having in both meals (Maths). • Decide which of the meals is better. | |

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| ASSESSMENT CRITERIA | |
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| <ul style="list-style-type: none">• Write and say decimal numbers properly.• Approximate the cost of things.• Operations with decimal numbers, addition, difference, multiply and division.• Understand how complex units work. | |

Extra information (to translate in classroom): An adult on a **2,000-calories** diet could satisfy recommendations for vegetable and fruit consumption (amounts and variety) in the 2010 Dietary Guidelines for Americans at an average cost of **\$2 to \$2.50** per day, or approximately **50 cents** per edible cup equivalent.

Imagine that you have **\$2.60** in your pocket. You can spend it on Pop Tarts and a bag of Skittles or you can dole it out in **exchange for an entire day's worth of fruits and vegetables**. We know what you're thinking, "the latter option isn't even possible." But two singles and a chunk of change is really all it costs to hit the five recommended daily servings of apples and carrots, according to a recent United States Department of Agriculture report. That breaks down to be about **50 cents** per serving, which is less than a burger from **McDonald's** or your favorite fast-food joint.

EXAMPLES

Fruits:

- 1 medium apple \$0.34
- 1 medium banana \$0.16
- 1 medium orange \$0.38
- 1/4 cup (50 mL) raisins \$0.21
- 1/2 cup (125 mL) canned fruit cocktail in juice \$0.59
- 1/2 cup (125 mL) canned apple juice with vitamin C \$0.19
- 1/2 cup (125 mL) frozen orange juice, prepared from concentrate \$0.12.

Vegetables:

- 1 medium potato \$0.22
- 1 medium carrot \$0.15
- 1/2 cup (125 mL) canned tomatoes \$0.28
- 1/2 cup (125 mL) tomato juice \$0.19
- 1/2 cup (125 mL) frozen mixed vegetables \$0.27
- 1/2 cup (125 mL) canned kernel corn \$0.41
- 1 cup (250 mL) romaine lettuce \$0.22