Math Summer Work for incoming grade 8

1. **Khan Academy:** Add this class code: STXW3PTJ

Work on Unit 1: **(1.5 hours)**

**Lesson on Repeating decimals**

- **8.NS.A**
  - Converting a fraction to a repeating decimal
    - Watch Video · 4 minutes
- **8.NS.A.1**
  - Writing fractions as repeating decimals
    - Do Exercise · 7 questions
- **8.NS.A.1**
  - Converting repeating decimals to fractions (part 1 of 2)
    - Video · 4 minutes
- **8.NS.A.1**
  - Converting repeating decimals to fractions (part 2 of 2)
    - Video · 9 minutes
- **8.NS.A.1**
  - Converting multi-digit repeating decimals to fractions
    - Exercise · 4 questions
- **8.NS.A.1**
  - Writing repeating decimals as fractions review
    - Article
- **8.NS.A.1**
  - Writing fractions as repeating decimals review
    - Article

2. **Ixl: grade 7:**

Problem solving and estimation **(40 minutes)**

1. **N.1** Estimate to solve word problems
2. **N.2** Multi-step word problems

3. **REAL WORLD:**

Find a package of food in your house and draw the nutritional label on a whole sheet of paper (big). Make it fill the page. Here is an example from a box of spaghetti.

<table>
<thead>
<tr>
<th>Nutrition Facts</th>
<th>Amount/serving</th>
<th>% Daily*</th>
<th>Amount/serving</th>
<th>% Daily*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Fat: 0.5g</td>
<td>1%</td>
<td>Total Carbs: 31g</td>
<td>11%</td>
<td></td>
</tr>
<tr>
<td>Saturated Fat: 0g</td>
<td>0%</td>
<td>Trans Fat: 0g</td>
<td>0%</td>
<td></td>
</tr>
<tr>
<td>Cholesterol: 0mg</td>
<td>0%</td>
<td>Sodium: 123mg</td>
<td>6%</td>
<td></td>
</tr>
<tr>
<td>Sugar: 0g</td>
<td>0%</td>
<td>Protein: 7g</td>
<td>1%</td>
<td></td>
</tr>
</tbody>
</table>

8 servings per container

2 oz (57g)

Calories 160

*Percent Daily Values (PDV) are based on a 2,000 calorie diet. Your daily values may be higher or lower depending on your calorie needs.

Sodium 123mg 6% Calcium 20mg 2% Iron 1.8mg 10%