

Equal Parts

1. Question

Imagine that there is a plate of cookies in front of you and your best friend. How would you break the cookie so you both get a fair share?

Why is important that you both get a fair share?

A fair share is an equal amount which means that everyone gets the same amount.



Image Source: www.clipart.com by subscription

In this Slam Dunk, you will conduct brief, focused research to respond to the inquiry question:

How can objects be divided into equal parts?

2. Information Sources

Here are two sources that can be used to learn about equal parts.

Videos

- You can learn about the [basic parts of a whole](#) in this video.

Print

- [World Book Kids Online](#) on equal parts. You may need to authenticate this link. Please see teacher/librarian for username and password.



Image Source: www.clipart.com by subscription

3. Student Activity

To prepare for our activity we will look at this interactive [demonstration](#) of cutting a pizza into fair slices. (This You Tube video will be shown by your teacher)

Now you are going to be the pizza maker and cut the pizzas into [equal and unequal parts](#) or into [halves and fourths](#).

Here is the [rubric](#) that your teacher will use to assess your activity.



Image Source: www.clipart.com by subscription

4. Assessment Activity

SLIDE NAVIGATION

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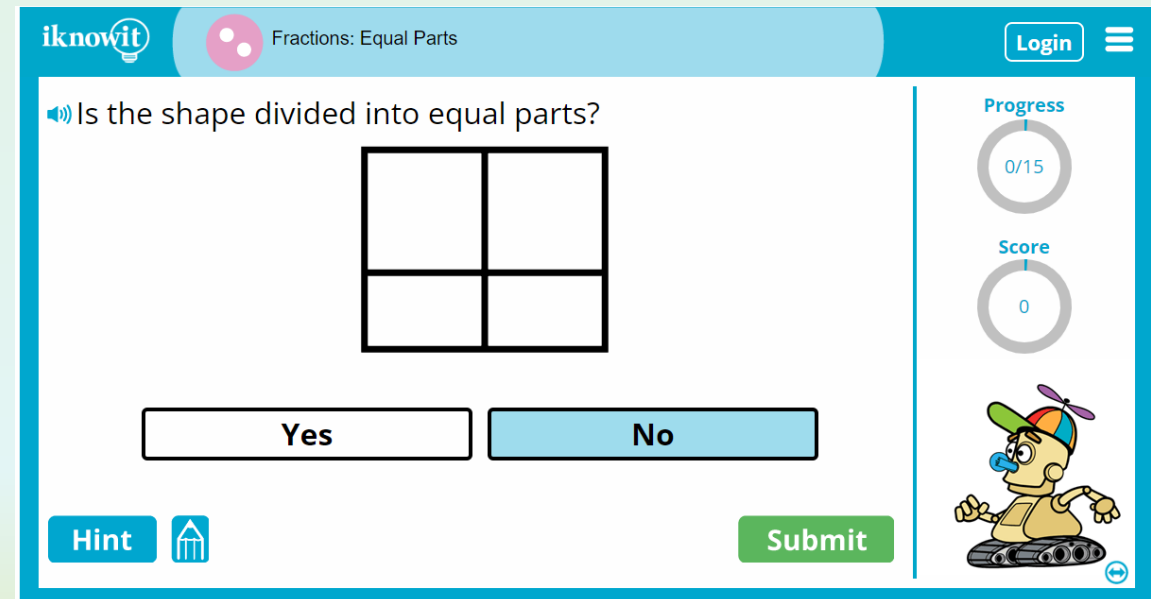
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How can objects be divided into equal parts?

Use what you have learned about dividing shapes into equal parts to play the game about [Equal Parts](#).

How did you do?



The screenshot shows the iKnowIt 'Fractions: Equal Parts' game interface. At the top, the iKnowIt logo and 'Fractions: Equal Parts' title are visible, along with a 'Login' button and a menu icon. The main question is 'Is the shape divided into equal parts?'. Below the question is a square divided into four equal smaller squares. Below the shape are two buttons: 'Yes' and 'No'. At the bottom left, there is a 'Hint' button and a house icon. At the bottom right, there is a 'Submit' button. On the right side of the interface, there is a 'Progress' section showing '0/15' and a 'Score' section showing '0'. At the bottom right, there is a cartoon character wearing a cap and holding a pencil.

Image Source: <https://www.iknowit.com/lessons/b-fractions-equal-parts.html>

5. Enrichment Activities



Image Source: www.clipart.com

Here are additional websites that you can use to apply your new knowledge:

- [PBS CyberChase](#)
- Now that you have viewed the [basic parts of a whole](#) try the Make a Map or Draw About It activity.

6. Teacher Resources

Learning Standards Alignment

Content Learning Standards

Determine whether a region has been divided into equal parts. (16.A)

Count the number of equal parts a region has been divided into. (16.B)

Common Core State Standards for English Language Arts & Literacy

Reading: 1. Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text.

Writing: 7. Conduct short as well as more sustained research projects based on focused questions, demonstrating understanding of the subject under investigation.

AASL Standards Framework for Learners Inquire: Build new knowledge by inquiring, thinking critically, identifying problems, and developing strategies for solving problems.

Think: Learners display curiosity and initiative by:

I.A.2 Recalling prior and background knowledge as context for new meaning.

Create: Learners engage with new knowledge by following a process that includes:

I.B.1 Using evidence to investigate questions. I.B.3 Generating products that illustrate learning.

Share: Learners adapt, communicate, and exchange learning products with others in a cycle that includes:

I.C.1 Interacting with content presented by others.

Grow: Learners participate in an ongoing inquiry-based process by:

I.D.2 Engaging in sustained inquiry.

P21 Framework: 21st Century Student Outcomes

3. Information, Media & Technology Skills: Information Literacy: Access information efficiently and effectively; Use information accurately and creatively for the issue or problem at hand.

ICT Literacy: Use technology as a tool to research, organize, evaluate and communicate information.

SLIDE NAVIGATION

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Grade 1 Math:

Objective: How can objects be divided into equal parts?

Time Frame: One or two 50-minute periods

Differentiation strategies for this lesson:

- Have students use learning supports provided in BCPS Digital Content found in the [Apps Portal](#) . Refer to [Digital Content Snapshot/Support pages](#) as needed.

Notes to the teacher:

- Collaborate with your school library media specialist to plan and implement this lesson.
- There are some books on this topic that may be available in the school library:**
 - [How Many Ways Can You Cut a Pie?](#) By Jane Belk Moncure
 - [Give Me Half!](#) By Bruce McMillan
- Google Docs may be printed for paper and pencil version of student activities.
- Students could use Wixie in the [Apps Portal](#) for an additional assessment.
- This Slam Dunk includes links to YouTube videos which must be shown to the class by the teacher/LMS.