

The Koolaid Kid

Performance Task

Unit 1 Grade 6 Math

Task Card 1

<https://vimeo.com/90479455>

Click on the above link and watch the video with your partner.

What did you notice in the video? You and your partner will now CLASSIFY (level 4) & record what you noticed or wondered on the recording sheet.

Task Card 2

- *What fraction of Koolaid did the Koolaid Kid drink?*
- Write down an estimate that is too high and an estimate that is too low.

Task Card 3

You do not have enough information to tell the exact amount of Koolaid that the Koolaid Kid drank.

What information do you need to help solve your problem? Discuss with your partner and make a list.

Task Card 4

Now, watch this video with the Koolaid Kid

<http://vimeo.com/90482305>

What information have you gained, about the Koolaid, in this video?
Write this down on your paper.

Task Card 5

Using the pictures & information from Task Card 4, you and your partner will CONSTRUCT (Level 5) a problem to PROVE (level 6) your answer showing how much Koolaid the Koolaid Kid drank.

Write your problem on paper and use pictures & words to show how you arrived at your solution.

TASK CARD 6

Now, watch this video.

<https://vimeo.com/90479475>

How much Koolaid did the Koolaid Kid drink?

How much Koolaid is left in the glass? Were you and your partner correct? Why or why not?

Task Card 8

Watch these videos on dividing fractions by whole numbers and by fractions:

<https://learnzillion.com/lessons/1251-divide-a-fraction-by-a-fraction>

*** If you divide $\frac{1}{2}$ liter by 3 people, your problem would look like this: $\frac{1}{2} \div \frac{3}{1} = \frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$

Task Card 9

What if the Koolaid Kid agreed to split the full amount of Koolaid with you ($\frac{1}{2}$ liter)? How much would you each get? (divide the total--- $\frac{1}{2}$ liter---amount by 2)

Record your findings on paper.

Task Card 9

Now, you and your partner will take an amount of Koolaid (water) and you will DEVELOP (level 5) a word problem in which division of fractions is involved with the Koolaid. (use fractional amounts for your Koolaid—such as $\frac{3}{4}$ liter, $\frac{2}{3}$ cups, etc)

You will TEST (level 5) your problem, using the measuring cup and water provided, and you will then PROVE (level 6) your answer using pictures and words.

Task Card 10

Finally, write a paragraph explaining to a new student in your class, how to divide fractions by a whole number and how to divide fractions by a fraction.

The rubric for your paragraph is on the next slide. Please refer to this rubric as you are writing.

Rubric for Slide 10

	0	$\frac{1}{2}$	1
Accuracy / Terminology (Double Pts)	Concepts are not explained accurately.	Concepts are explained accurately but specific vocabulary is not used.	Concepts are explained accurately AND specific vocabulary is used.
Supporting Details (Double Pts)	Paragraph is missing a topic sentence or does not have details to support the claim.	Paragraph includes a topic sentence AND details that begin to support the claim.	Paragraph includes a topic sentence AND details that fully support the claim.
Written Expression	Paragraph is not clearly written or contains errors in grade level conventions that interfere with understanding.	Paragraph is clearly written but has some errors in grade level conventions that do not interfere with understanding.	Paragraph is clearly written with no errors in grade level conventions.

Task Card 11

Now, complete the Socratic activity on dividing fractions, for a CW grade!