

LOGARITHM SHUFFLE

Cut-and-Paste Activity



FREEBIE!

Logarithm equations and numbers scattered around the central text:

- $\log_{1/2} 32$
- $\log_3 243 = x$
- $\log_{\sqrt{2}} 8$
- $\log_6 x = 3$
- 15
- 7
- 5
- 19
- 5
- 3
- $\log_5 x = 19$
- 11
- 6
- 5
- $\log_x 27 = \frac{3}{4}$
- $\log_{\sqrt{2}} \frac{1}{4} = x$



FLAMINGO MATH

Thanks for downloading my product!
Be sure to follow me for new products, free items and upcoming sales.

www.teacherspayteachers.com/Store/Jean-Adams

www.flamingomath.com

www.pinterest.com/jeanfaye/

LOGARITHMIC SHUFFLE

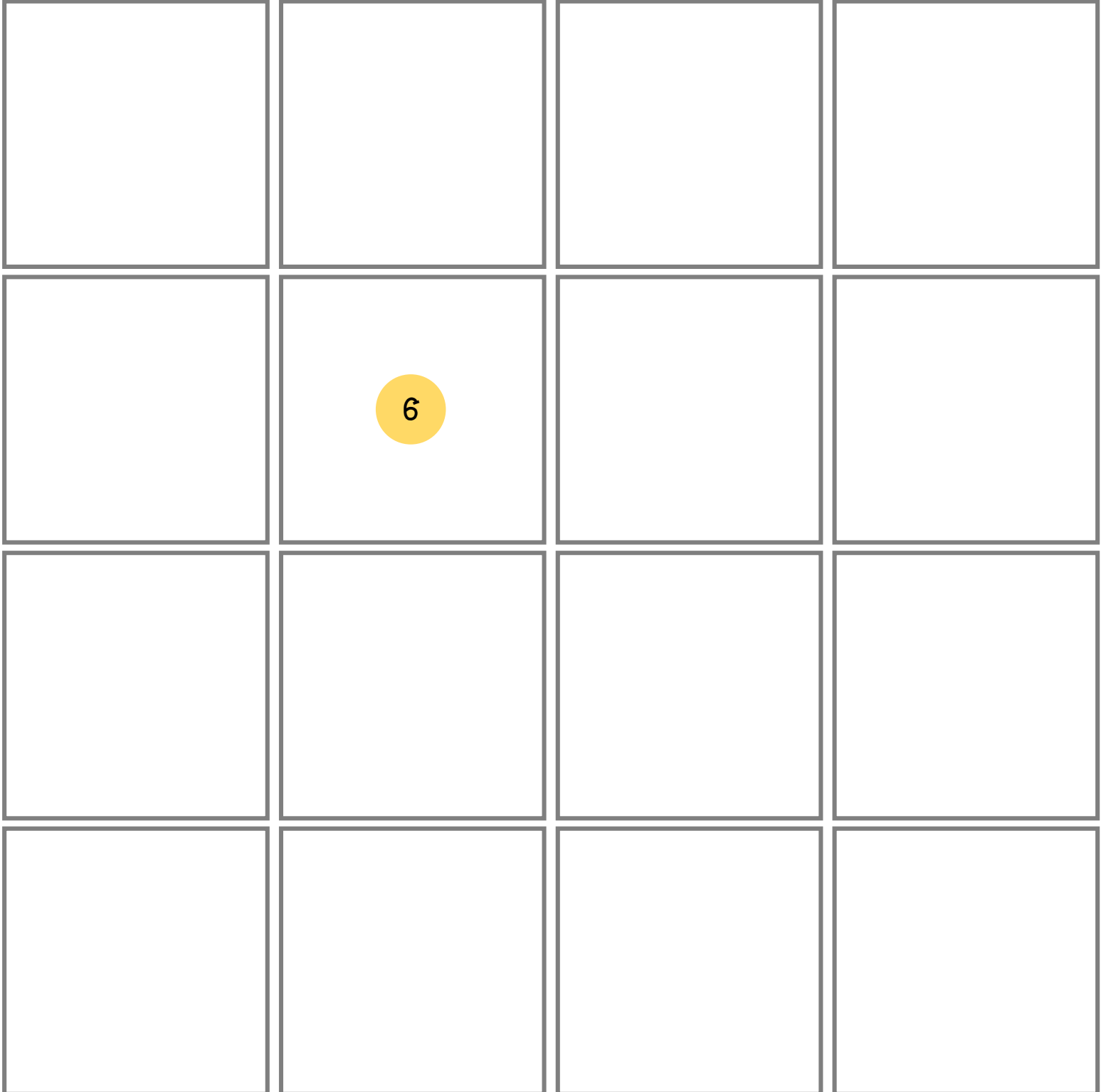
Here is a FREE focused **Cut-and-Paste Practice** to help students solve **basic logarithmic expressions and equations**. Simply copy the activity on one sheet and the solution set on another page. Students can work cooperatively or alone. They will glue or tape the cards on the solution page. There is rigor in the exercise to challenge your brightest students.

Visit my store for more products for your ALGEBRA 2, PRECALCULUS, and AP CALCULUS students.

I appreciate your comments, suggestions, and ideas.

Logarithmic Expressions Shuffle

Directions: Cut out each puzzle piece, find the sides that have matching expressions for each logarithm. Then, glue them onto this page Block #6 is marked as correct for a place to start.



Copy cards on a separate sheet of paper to cut and paste.

$\frac{3}{2}$ $\log_{12} 12$ 1 $\log_8 x = \frac{1}{6}$ $\frac{2}{3}$	-3 $\log_x \frac{1}{25} = -\frac{2}{3}$ $\log_7 7^4$ 2 -2	5 $\log_x 27 = \frac{3}{4}$ $\log_5 x = 4$ 3 $\frac{1}{2}$	$\log 100$ $\log_3 \frac{1}{27}$ 4 5 -4
$\log 0.00001$ 216 $\log_x \sqrt{5} = \frac{1}{4}$ 8 5	10 $\log_x 64 = 3$ $\log_9 27$ -5 6	25 $\log_3 243 = x$ $\log_6 x = 3$ 4 7	$\sqrt{3}/3$ $\log 1000$ $\log_{25} 5$ $-2/3$ 8
$\log 0.1$ $\log_3 27$ 81 9	-5 $\log_6 x = 3$ $\log_6 6^{10}$ 0 10	$\log_8 1$ $\log_{\sqrt{2}} \frac{1}{4} = x$ 6 11	216 $\log_8 4$ $\log_x 3 = -2$ 5 12
$\sqrt{2}$ $\log_{25} 5$ $\log_{\frac{1}{8}} 4 = x$ $\sqrt{3}$ 13	$\log_x 7 = \frac{1}{2}$ $\log_2 32 = x$ 12 1 14	$\log_{\sqrt{2}} 8$ 125 $\log_{1/2} 32$ 49 15	$\log_5 \frac{1}{25}$ $\log_{49} 7$ $\log_2 4^6$ -1 16

Logarithmic Expressions Shuffle

Directions: Move each piece in the puzzle until every side has a matching expression for the logarithms. Block #6 is in the correct location.

ANSWER KEY

$\log 0.00001$ 8 5 216 $\log_x \sqrt{5} = \frac{1}{4}$	$\log_3 243 = x$ 25 7 4 $\log_6 x = 3$	5 216 12 $\log_8 4$ $\log_x 3 = -2$	$\log 1000$ $\sqrt{3}/3$ 8 $-2/3$ $\log_{25} 5$
-5 10 0 $\log_6 x = 3$ $\log_6 6^{10}$	10 6 -5 $\log_x 64 = 3$ $\log_9 27$	$3/2$ 1 $\log_{12} 12$ $2/3$ $\frac{1}{6}$ $\log_8 x = \frac{1}{6}$	$\sqrt{2}$ 13 $\log_{25} 5$ $\log_{\frac{1}{8}} 4 = x$ $\sqrt{3}$
$\log_8 1$ 11 6 $\log_{\sqrt{2}} \frac{1}{4} = x$	$\log_{\sqrt{2}} 8$ 15 125 $\log_{1/2} 32$ 49	1 14 12 $\log_x 7 = \frac{1}{2}$ $\log_2 32 = x$	$1/2$ 3 $\log_x 27 = \frac{3}{4}$ 5 $\log_5 x = 4$
$\log 100$ 4 5 -4 $\log_3 \frac{1}{27}$	-3 2 -2 $\log_x \frac{1}{25} = \frac{2}{3}$ $\log_7 7^4$	$\frac{1}{25}$ 16 -1 $\log_5 \frac{1}{25}$ $\log_{49} 7$ $\log_2 4^6$	$\log 0.1$ 9 $\log_3 27$ 81

FLAMINGO MATH

Let's Connect . . .



I have a passion and drive to create rigorous, engaging lessons of the highest quality for teachers and students. My products include guided notes, [Foldables](#),[®] SMART Board[®] lessons, games, activities, homework, assessments, and so much more. My resources are focused on three courses for your honors students.

[Algebra 2](#), [Pre-Calculus](#), and [Calculus](#).



Terms of Use

© 2012- present Jean Adams – Flamingo Math™, LLC

All rights reserved. This product is for your **personal classroom use only** and is not transferable. This license is not intended for use by organizations or multiple users, including but not limited to schools, multiple teachers within a grade level, or school districts. If you would like to share this product with your colleagues or department, please purchase additional licenses from my store at a discounted price.

Copying any part of this product and posting the resource on the internet in any form, including classroom/personal websites, social media, Amazon Inspire, or network drives is prohibited, unless the site is password protected where only students can access the content. Violations are subject to penalties of the Digital Millennium Copyright Act (DMCA).

Thank you for protecting my work!

