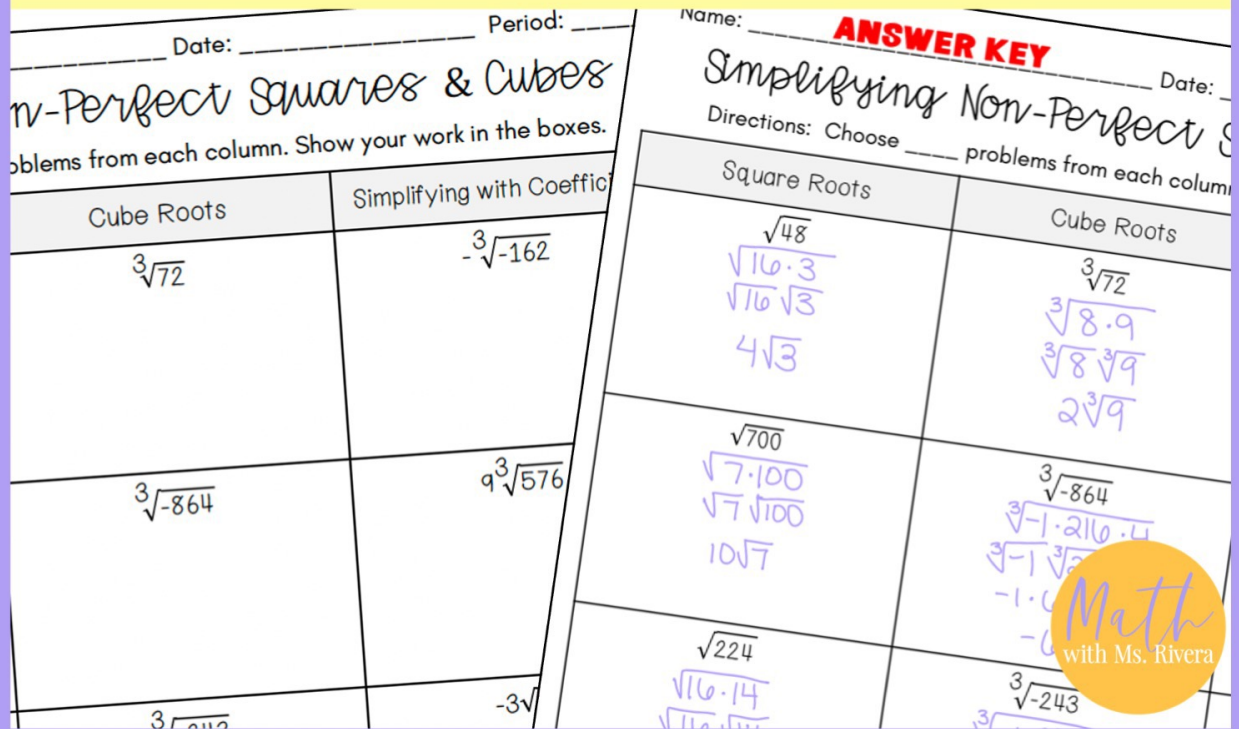
keep scrolling to get a sneak peek!

Help your Algebra 1 students practice **simplifying non-perfect square and cube root radicals**. Your students will benefit from being given choice when it comes to how they want to practice math!

SIMPLIFYING RADICALS SQUARES & CUBES

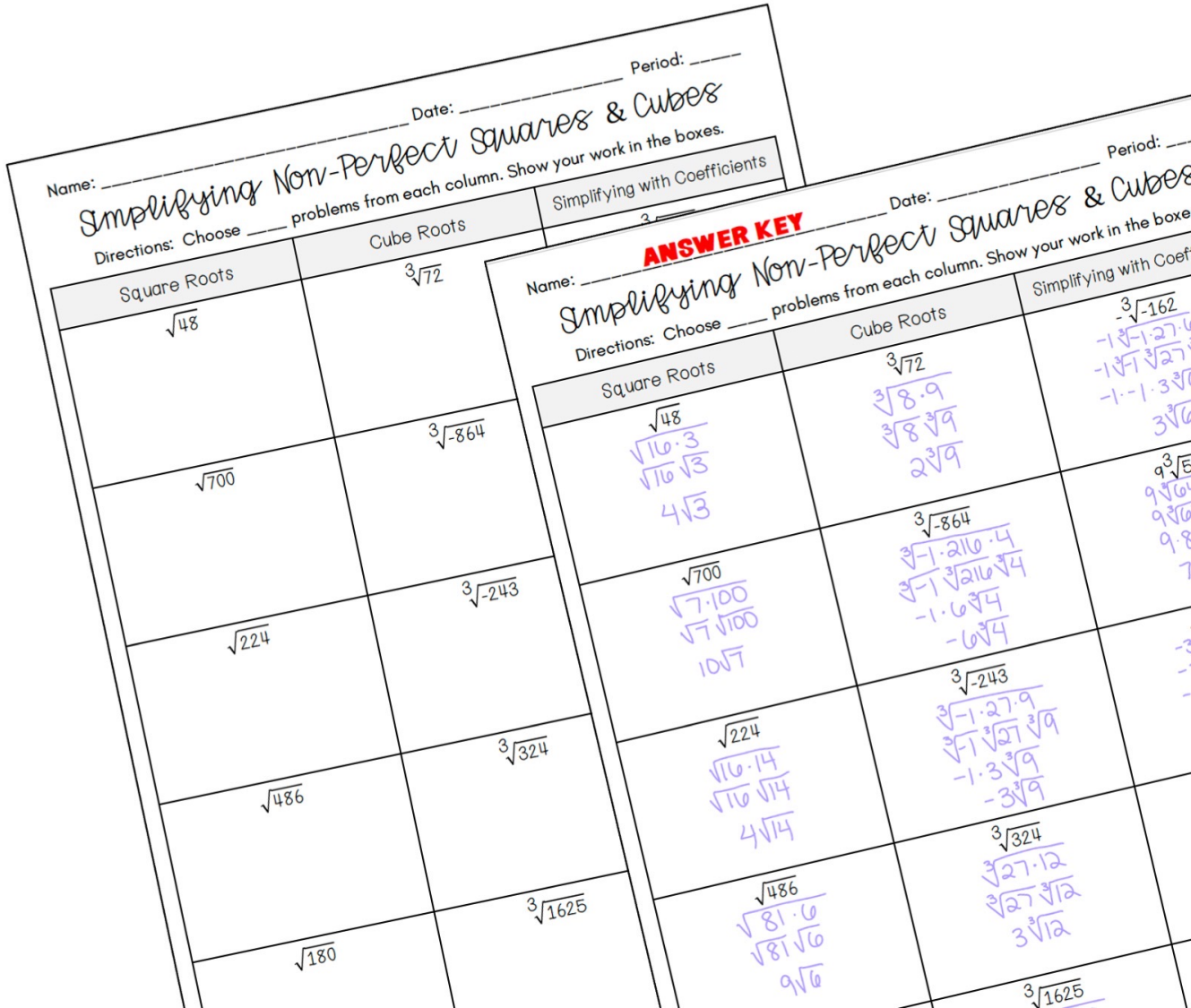
Choice Board



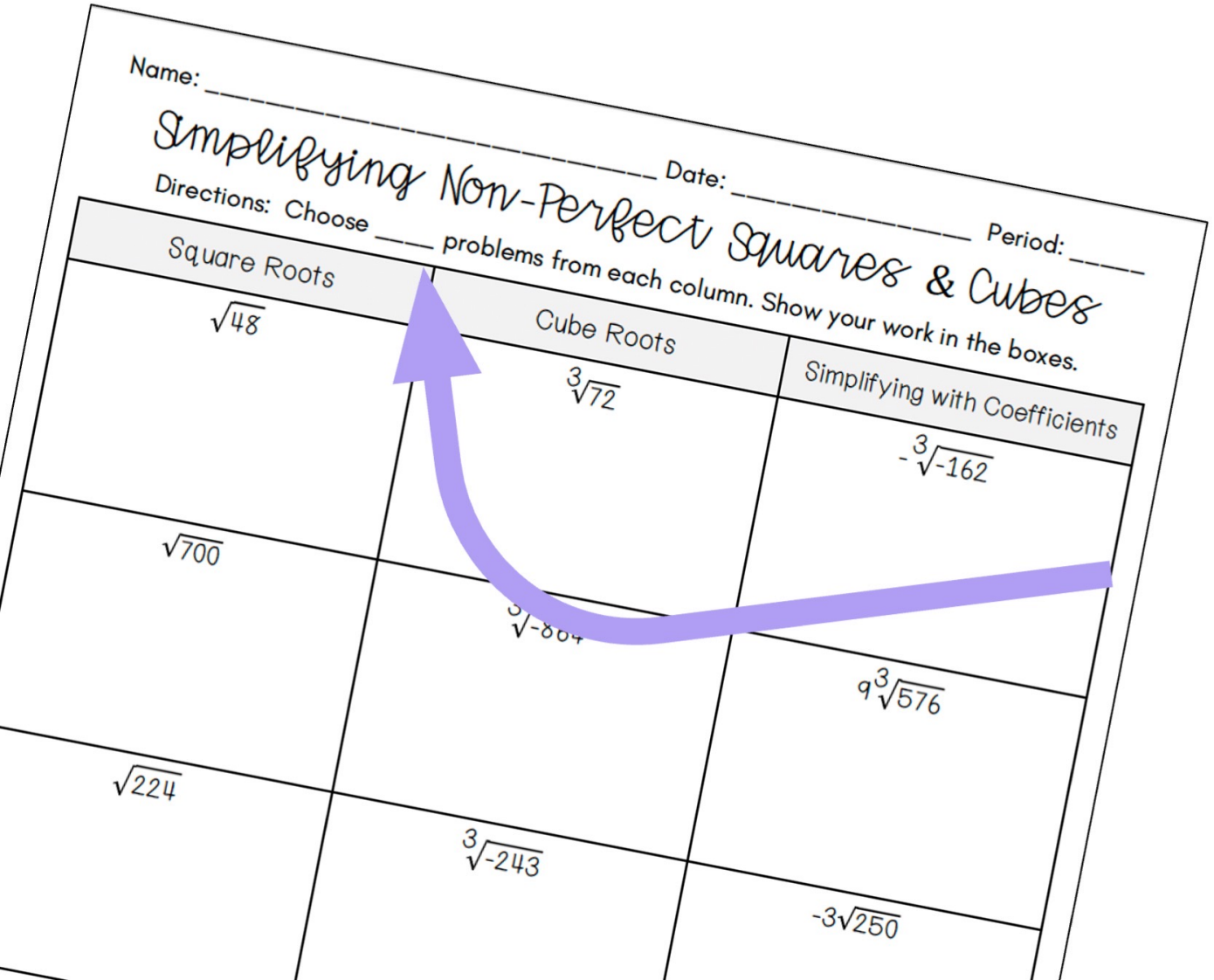
Simplifying Square & Cube Roots Choice Board

Why do you need this?

- Allowing student choice in how they practice will encourage them to do the practice!
- You can differentiate by the number of problems required of particular students.



Simplifying Square & Cube Roots Choice Board *includes*:



- ✅ printable worksheet
- ✅ a detailed answer key
- ✅ 3 columns with 5 questions in each - 15 question total
- ✅ Spot to assign how many problems students need to complete

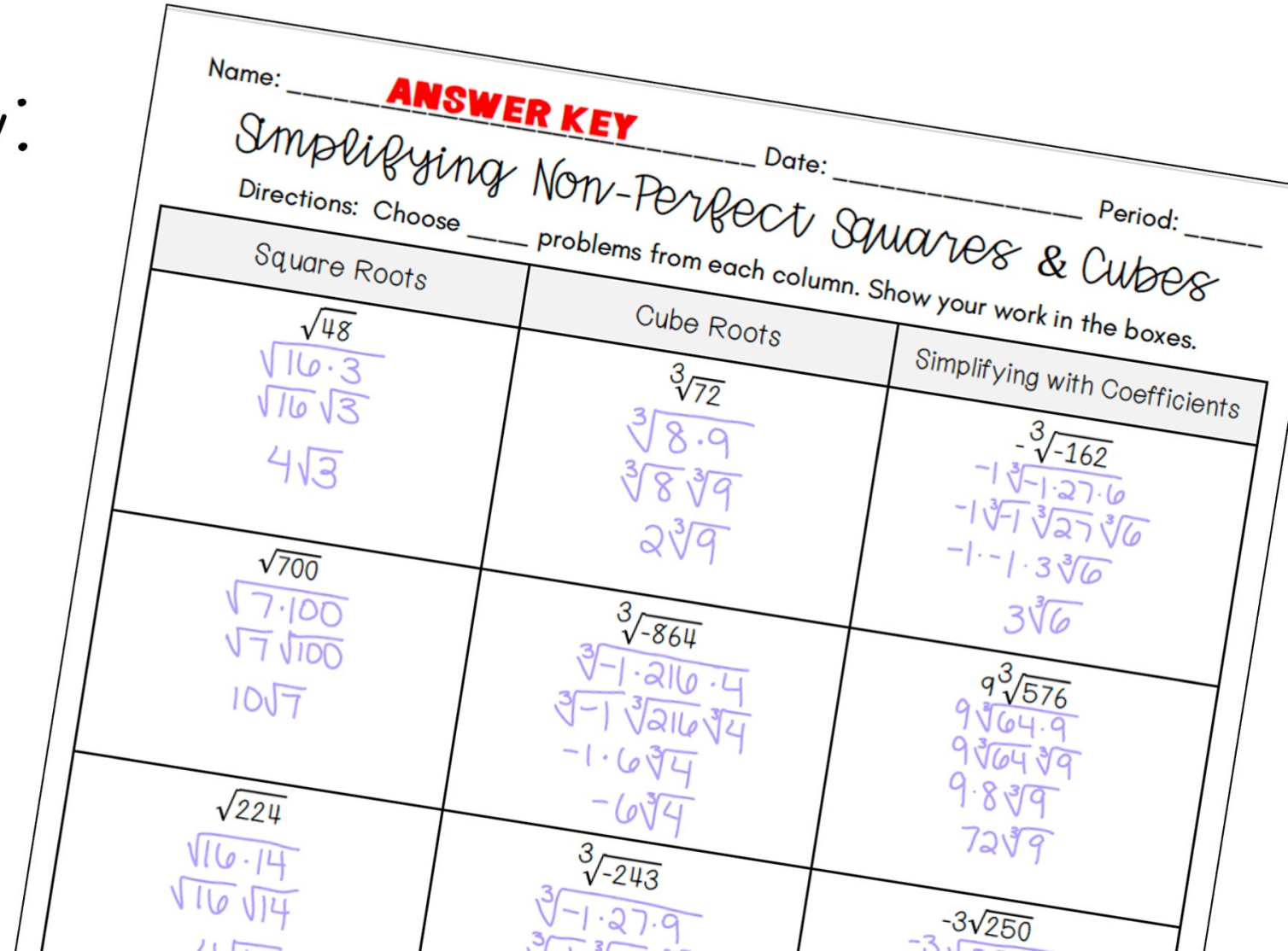
Simplifying Square & Cube Roots Choice Board

standards covered:

CCSS: HSA-RN.A.2

TEKs: A1.11.A

VA SOLs: EO.A.3.a



Name: ANSWER KEY Date: Period:

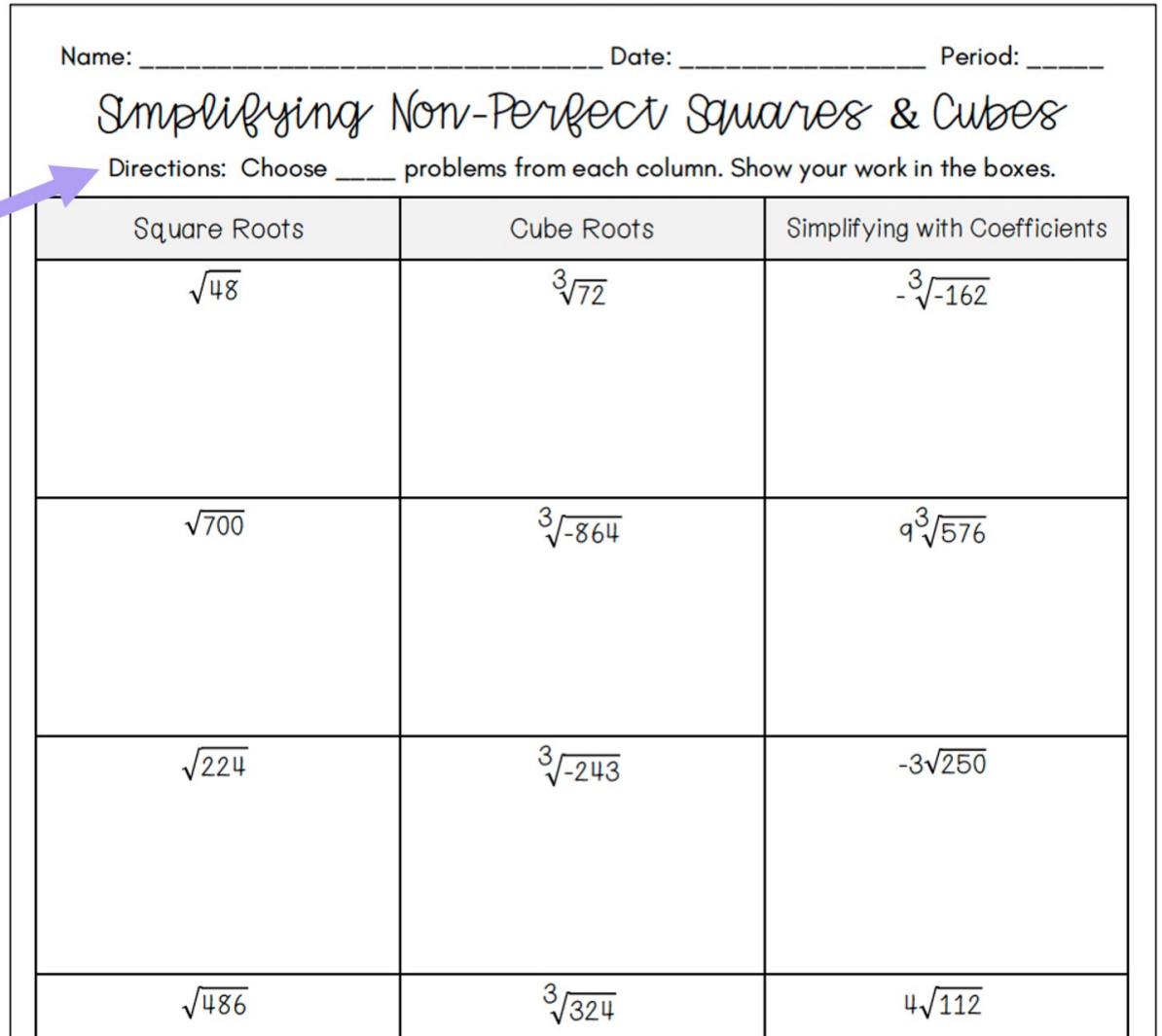
Simplifying Non-Perfect Squares & Cubes

Directions: Choose ____ problems from each column. Show your work in the boxes.

Square Roots	Cube Roots	Simplifying with Coefficients
$\sqrt{48}$ $\sqrt{16 \cdot 3}$ $\sqrt{16}\sqrt{3}$ $4\sqrt{3}$	$\sqrt[3]{72}$ $\sqrt[3]{8 \cdot 9}$ $\sqrt[3]{8}\sqrt[3]{9}$ $2\sqrt[3]{9}$	$-\sqrt[3]{-162}$ $-1\sqrt[3]{-1 \cdot 27 \cdot 6}$ $-1\sqrt[3]{-1}\sqrt[3]{27}\sqrt[3]{6}$ $-1 \cdot -1 \cdot 3\sqrt[3]{6}$ $3\sqrt[3]{6}$
$\sqrt{700}$ $\sqrt{7 \cdot 100}$ $\sqrt{7}\sqrt{100}$ $10\sqrt{7}$	$\sqrt[3]{-864}$ $\sqrt[3]{-1 \cdot 216 \cdot 4}$ $\sqrt[3]{-1}\sqrt[3]{216}\sqrt[3]{4}$ $-1 \cdot 6\sqrt[3]{4}$ $-6\sqrt[3]{4}$	$9\sqrt[3]{576}$ $9\sqrt[3]{64 \cdot 9}$ $9\sqrt[3]{64}\sqrt[3]{9}$ $9 \cdot 8\sqrt[3]{9}$ $72\sqrt[3]{9}$
$\sqrt{224}$ $\sqrt{16 \cdot 14}$ $\sqrt{16}\sqrt{14}$	$\sqrt[3]{-243}$ $\sqrt[3]{-1 \cdot 27 \cdot 9}$	$-3\sqrt{250}$

how the choice board resource works

Assign students the number of problems they need to complete from each column.



Name: _____ Date: _____ Period: _____

Simplifying Non-Perfect Squares & Cubes

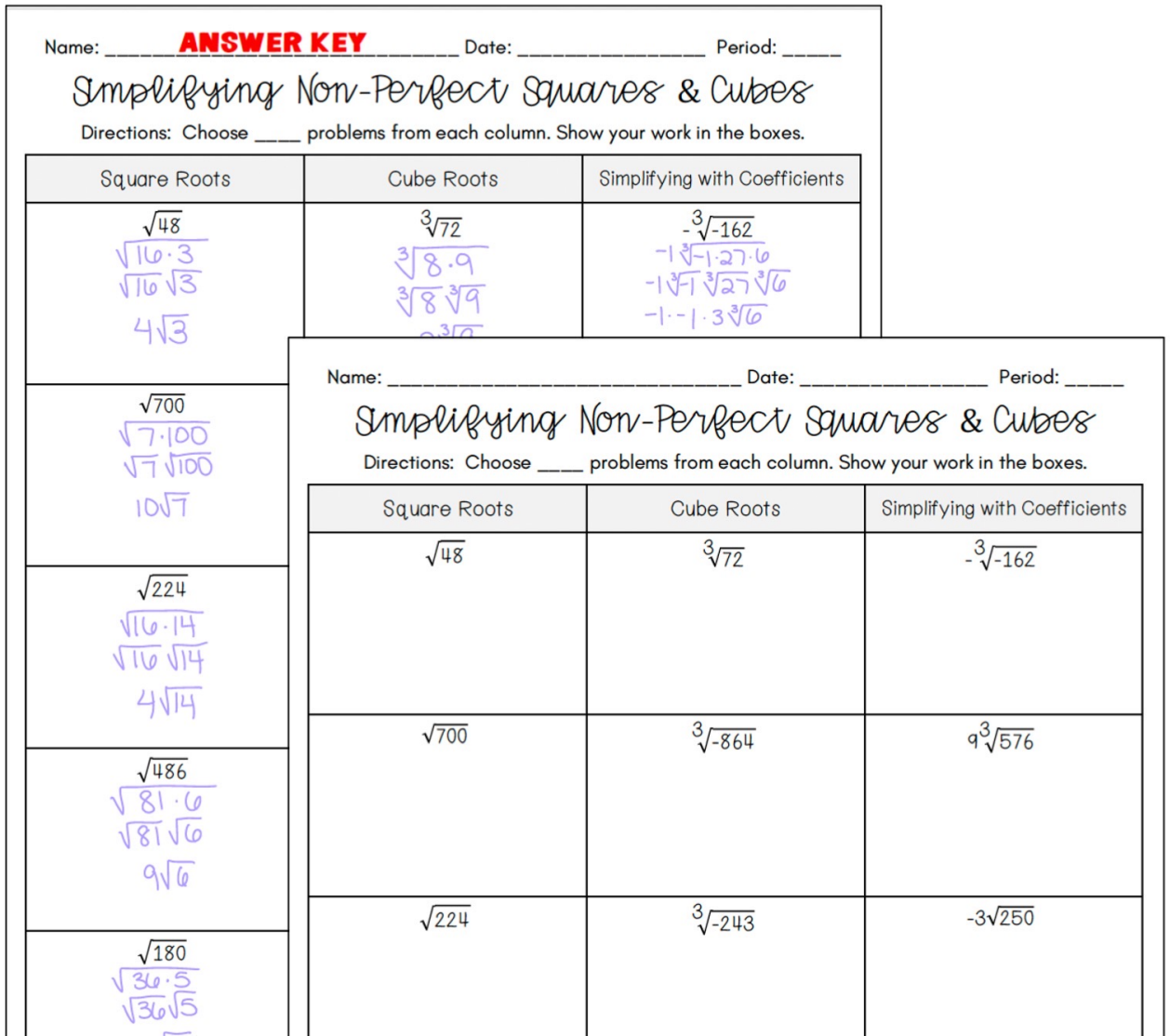
Directions: Choose ____ problems from each column. Show your work in the boxes.

Square Roots	Cube Roots	Simplifying with Coefficients
$\sqrt{48}$	$\sqrt[3]{72}$	$-\sqrt[3]{-162}$
$\sqrt{700}$	$\sqrt[3]{-864}$	$9\sqrt[3]{576}$
$\sqrt{224}$	$\sqrt[3]{-243}$	$-3\sqrt{250}$
$\sqrt{486}$	$\sqrt[3]{324}$	$4\sqrt{112}$

Differentiate the choice board worksheet by reducing the number of problems assigned to show mastery.

Students can complete the any problems they want to in each column and in any order.

how to use this resource



Name: ANSWER KEY Date: _____ Period: _____

Simplifying Non-Perfect Squares & Cubes

Directions: Choose ____ problems from each column. Show your work in the boxes.

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$\sqrt{48}$ $\sqrt{16 \cdot 3}$ $\sqrt{16}\sqrt{3}$ $4\sqrt{3}$	$\sqrt[3]{72}$ $\sqrt[3]{8 \cdot 9}$ $\sqrt[3]{8}\sqrt[3]{9}$	$-\sqrt[3]{-162}$ $-1\sqrt[3]{-1 \cdot 27 \cdot 6}$ $-1\sqrt[3]{-1}\sqrt[3]{27}\sqrt[3]{6}$ $-1 \cdot -1 \cdot 3\sqrt[3]{6}$
$\sqrt{700}$ $\sqrt{7 \cdot 100}$ $\sqrt{7}\sqrt{100}$ $10\sqrt{7}$		
$\sqrt{224}$ $\sqrt{16 \cdot 14}$ $\sqrt{16}\sqrt{14}$ $4\sqrt{14}$		
$\sqrt{486}$ $\sqrt{81 \cdot 6}$ $\sqrt{81}\sqrt{6}$ $9\sqrt{6}$		
$\sqrt{180}$ $\sqrt{36 \cdot 5}$ $\sqrt{36}\sqrt{5}$		

Name: _____ Date: _____ Period: _____

Simplifying Non-Perfect Squares & Cubes

Directions: Choose ____ problems from each column. Show your work in the boxes.

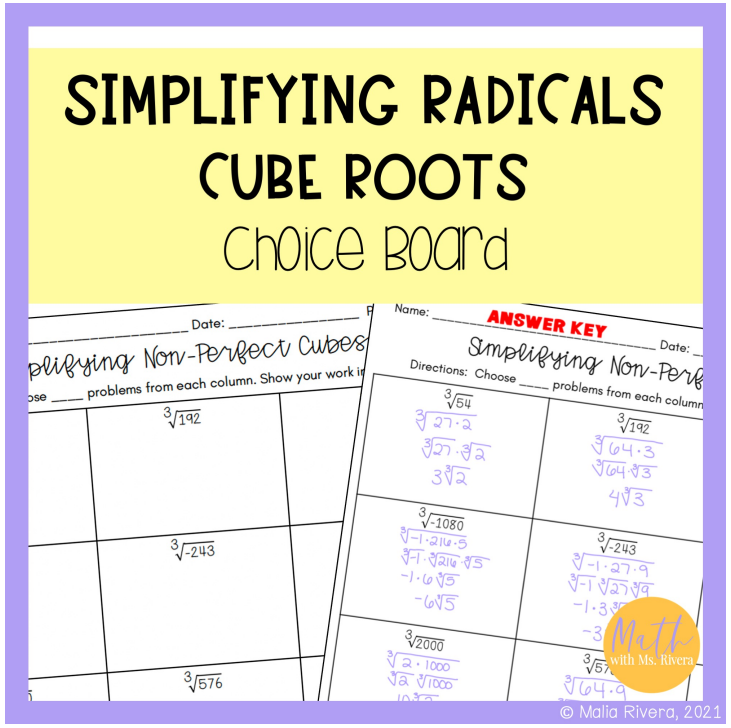
Square Roots	Cube Roots	Simplifying with Coefficients
$\sqrt{48}$	$\sqrt[3]{72}$	$-\sqrt[3]{-162}$
$\sqrt{700}$	$\sqrt[3]{-864}$	$9\sqrt[3]{576}$
$\sqrt{224}$	$\sqrt[3]{-243}$	$-3\sqrt{250}$

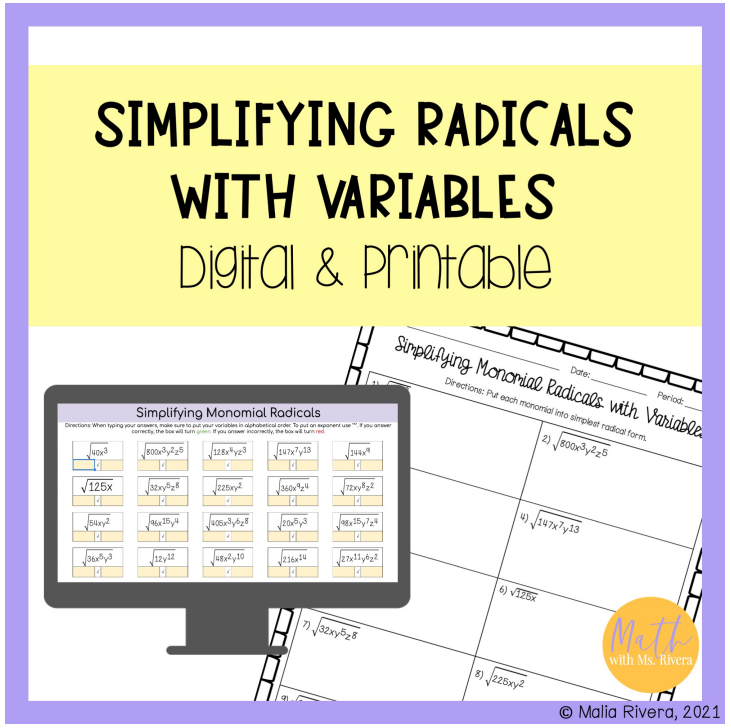
This is a great individual practice activity to use when reviewing how to simplify square & cube root radical expressions.

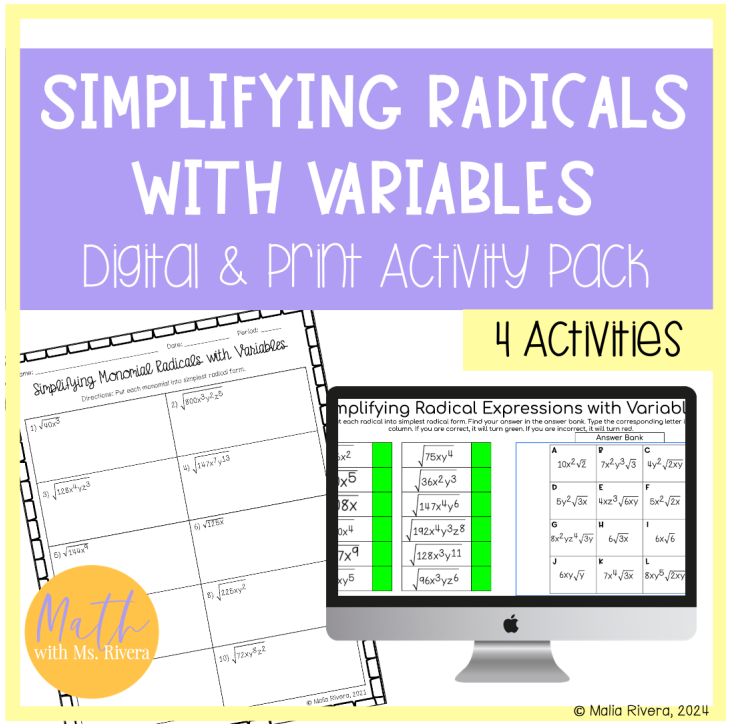
My favorite ways to use this choice board is for homework and math practice stations.

This is also a **substitute-friendly** assignment!

You may also *enjoy*...







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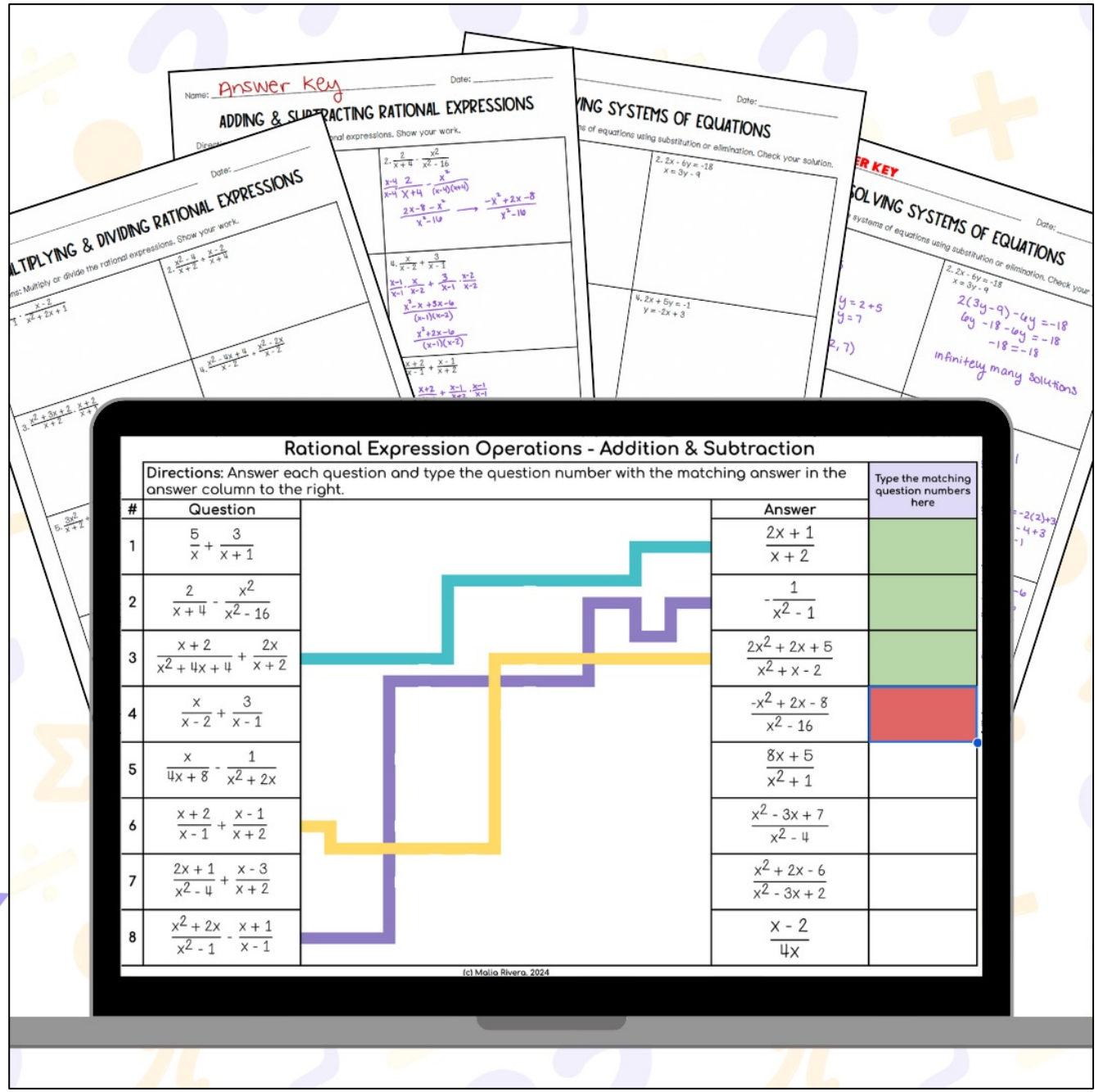
You'll also be getting exclusive freebies and content to help your Algebra students be successful this school year!

check it out!



hey there!

My name is Malia and I'm passionate about making learning and practicing math fun. I love creating engaging math resources for my students and I hope your students enjoy this activity too!

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