

Why do you need this?

One Step Equations Review Stations



There are a variety of activities that cover several topics.



Help your students practice these essential math skills.

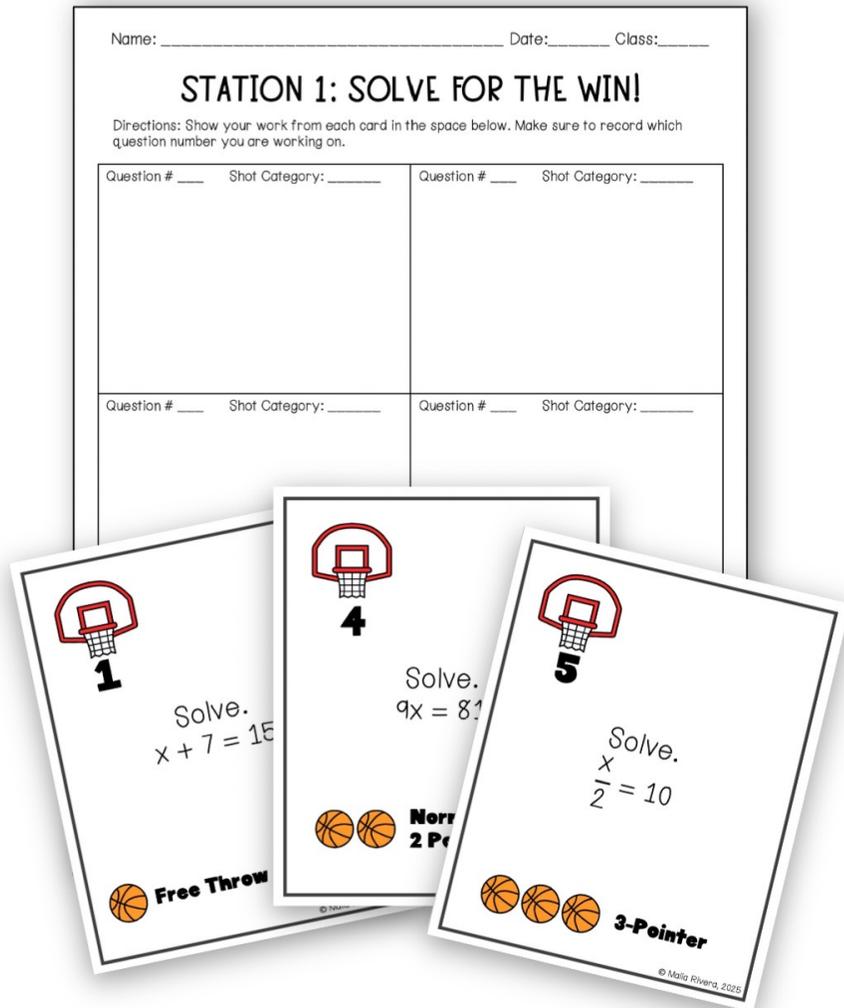


The activities have self-checking components so students can receive feedback!

The collage shows several station cards for a basketball-themed one-step equations review. The cards include:

- Station 1: 3-Pointer** with the equation $\frac{x}{3} = 7$.
- Station 2: Drizzle, Drizzle, Shoot!** with word problems and a letter-matching grid. The grid contains letters: S, O, C, U, N, P, I, H, A.
- Station 3: Full Court** with a grid of equations: $1.2 = x$, $7.7 = 0.5x + x$, $9 \cdot 0 = x$, $0.8x = 1.3$, $x = 13.5$, $x - 5.8 = 16$, $x - 7.9 = 2.1$, $8 = \frac{9x}{x}$, $10 = x$, $x = 14$, $x + 12.6 = 20$, $11 \cdot 2 = x$.
- Answer Key for Station 3: Full Court** with solutions: $x + 3.5 = 7.2$ → $x = 3.7$; $0.5x = 4$ → $x = 8$; $6.3x = 31.5$ → $x = 5$; $\frac{x}{4.5} = 3$ → $x = 13.5$; $3.2x = 38.4$ → $x = 12$.
- Answer Key for Station 2: Drizzle, Drizzle, Shoot!** with solutions: $x + 6 = 18$ → $x = 12$ (12 points); $15x = 90$ → $x = 6$ (6 basketball); $x - 30 = 10$ → $x = 40$ (\$40); $20x = 400$ → $x = 20$ (20 players); $\frac{x}{9} = 6$ → $x = 36$ (36 players); $x + 15 = 45$ → $x = 30$ (30 points); $3x = 15$ → $x = 5$.

station 1 - Solving for the Win!



Skill: Scaffolded 1 Step Equations

Students are required to answer 2 questions from each of the 3 shot types. Then they can choose whatever other questions they want to answer to get at least 24 points.

Includes:

- 24 total task cards, 8 questions per shot type (*free throw, normal basket, 3-pointer*)
- Recording sheets
- Detailed answer key

station 2 - Dribble Dribble Shoot!

Name: Answer key Date: _____ Class: _____

STATION 2: DRIBBLE, DRIBBLE, SHOOT!

Directions: Show your work from each question in the space below.

1. $x + 6 = 18$ $-6 -6$ $x = 12$ 12 points	2.
3. $x - 30 = 10$ $+30 +30$ $x = 40$ \$40	4.
5. $\frac{x}{6} = 6$ $\cdot 6 \cdot 6$ $x = 36$ 36 players	6.
7. $\frac{3x}{3} = 15$ $x = 5$ 5 days	

Name: _____ Date: _____ Class: _____

STATION 2: DRIBBLE, DRIBBLE, SHOOT!

Directions: Start with any question you'd like and answer it. Once you find the answer, then write the letter in the long box below.

- A basketball player scored 6 more points than he did in his last game. If he scored 18 points this game, how many did he score in his last game?
- Each basketball that your coach orders is \$15. If the total cost was \$40, how many basketballs did the coach buy?
- A fan bought snacks at the game for \$30 and had \$10 left in his wallet. How much money did he originally have?
- A bus rental costs \$400 for the players. If the cost of the bus is split evenly among the players, and each player pays \$20, how many players are on the team?
- At basketball tryouts, the coach splits the total number of players into 6 groups to warm up. If there are 6 people in each group, how many players at tryouts?
- The team has 45 points this quarter. This is 15 more points than last quarter. How many points did they have last quarter?
- A player practiced dribbling for 3 hours each day. The player has practiced a total of 15 hours at the end of the week. How many days did they practice this week?
- A the end of the game, a basketball has 19 ounces of air pumped into it. If the ball lost 3 with?

Directions: Write down the letter from each correct answer in the space below. Use the hint to unscramble the word before moving on to the next station.

Hint: Winners of the March Madness tournament.

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Skill: One Step Word Problems

Students will answer the basketball question and match it to the correct answer hoop. Then they will record the letters under the hoop in the box at the bottom. Given the hint, students will unscramble the letters to reveal a secret word.

Includes:

- 8 questions
- Recording sheet
- Detailed answer key

station 3 - Full Court Puzzle!

Name: Answer key Date: _____ Class: _____

STATION 3: FULL COURT PUZZLE

Directions: Start with any piece and complete one of the questions. Match the correct answers together to complete the puzzle.

Equation: $x + 3.5 = 7.2$ $-3.5 - 3.5$ $x = 3.7$	Equation: _____
Equation: $0.5x = 4$ $\frac{0.5}{0.5}$ $x = 8$	Equation: _____
Equation: $6.3x = 31.5$ $\frac{6.3}{6.3}$ $x = 5$	Equation: _____
Equation: $\frac{x}{4.5} = 3$ $\cdot 4.5 \cdot 4.5$ $x = 13.5$	Equation: _____
Equation: $3.2x = 38.4$ $\frac{3.2}{3.2}$ $x = 12$	Equation: _____
Equation: $\frac{x}{8.2} = 2$ $\cdot 8.2 \cdot 8.2$ $x = 16.4$	Equation: _____

STATION 3: FULL COURT PUZZLE
TEACHERS - CUT OUT BEFORE GIVING TO STUDENTS. This is the answer key!

$0.3x = 1.3$ $x = 4.33$	$7.2 = x$ $x = 7.2$	$0.6 = x$ $x = 0.6$	$x + 0.6 = 1.8$ $x = 1.2$
$x = 13.5$	$x = 3.7$	$0.5x = 1.8$ $x = 3.6$	$8 = x$
$x = 14$	$x = 16$	$x - 5.8 = 10.2$ $x = 16$	$2.7x = 16.2$ $x = 6$
$x + 12.6 = 20$ $x = 7.4$	$x - 7.9 = 2.1$ $x = 10$	$6.3x = 31.5$ $x = 5$	$5 \cdot 0 = x$ $x = 0$
$x = 2.6$	$x = 7$	$2 = \frac{x}{2.8}$ $x = 5.6$	$x = 6$
$x = 1$	$0.4x = 2.8$ $x = 7$	$x = 16.4$ $x = 16.4$	$x = 13.2$
$x = 2.6$	$1.7x = 5.1$ $x = 3$	$x = 22$	$3.2x = 12.8$ $x = 4$

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Skill: Solving One Step Equations with Decimals

Students can start with any question and solve the equation. Students should look for their answer and match the answer side and question side together to put the puzzle back together. *Not all questions have answers.

Includes:

- 10 questions
- Recording sheet
- Detailed answer key

One Step Equations Review Stations

standards covered:

CCSS: 6.EE.B.7

TEKs: 6.10.A

VA SOLs: PFA.6.13

STATION 1: SOLVING FOR THE WIN!

Teacher Directions:
At this station, students will be practicing how to solve two step equations. There are a total of 24 task cards - 8 equations per shot category. Students must answer at least 2 questions from each category and get at least 24 total points before moving on. To get the rest of the 24 points, students can answer any questions they want from any of the category. Students should be recording their answers and showing their work on the recording page given.

Differentiation Suggestions:
To help with differentiation, you can require students to complete certain cards, a different number of cards in each category, or obtain a different total score necessary to move on.

Printing Directions:
• Print the cards on their own pages - NOT double sided!
• Recommend printing the different shot categories on different colored paper to differentiate.
• Print and cut the cards to save for future use.
• Station 1 recording sheet front to back (double sided). Make sure that students can have two double sided recording sheets available and an answer key.

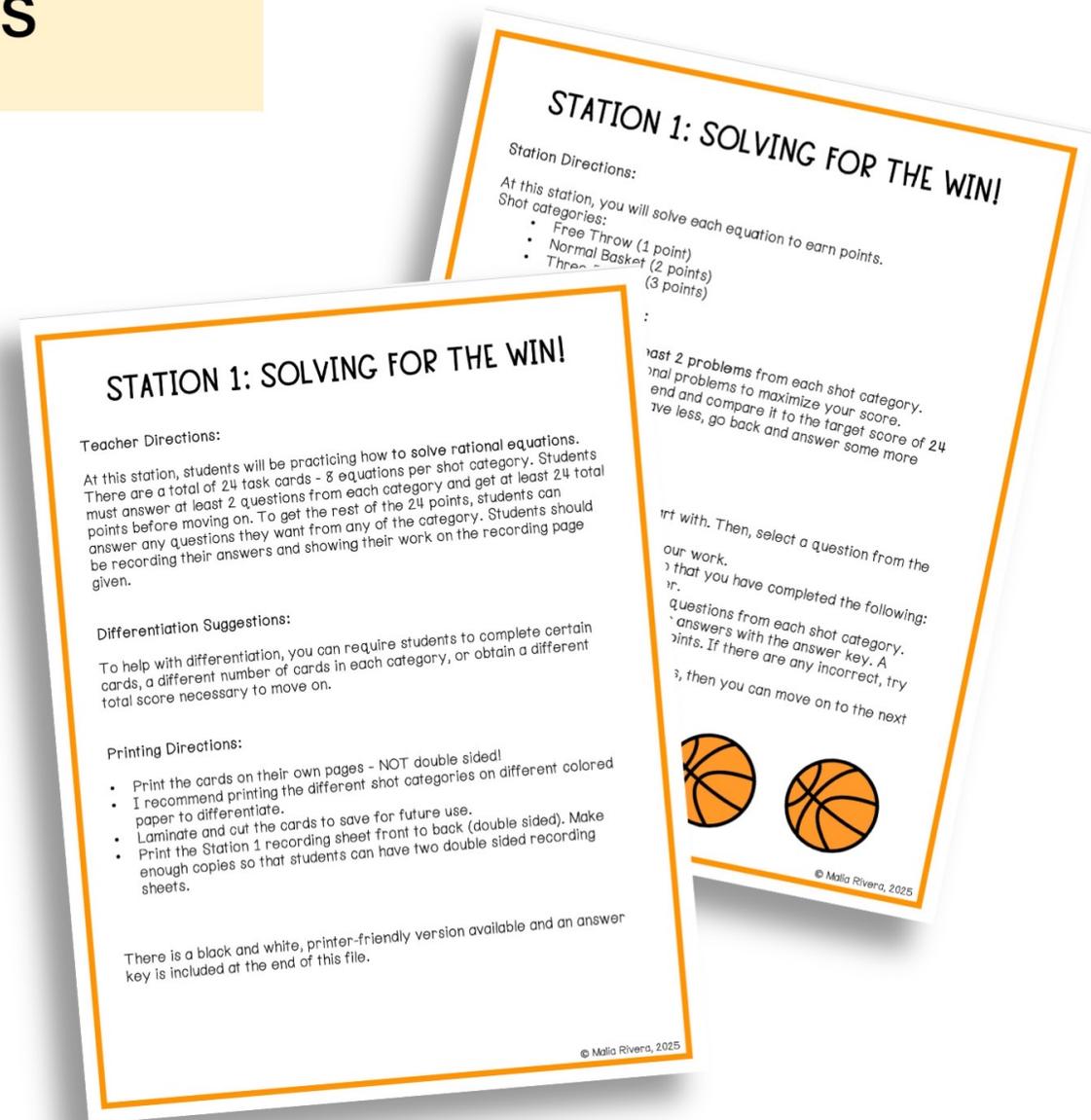
4
Solve.
 $9x = 81$
2 Points

1
Solve.
 $x + 7 = 15$
Free Throw - 1 point

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March Mathness Review Stations

Teacher and printing directions included. Student directions to be printed at each station are also included!



how to use this resource

Name: _____ Date: _____ Class: _____

STATION 2: DRIBBLE, DRIBBLE, SHOOT!

Directions: Start with any question you'd like and answer it. Once you find the answer, then write the letter in the long box below.

A basketball player scored 6 more points than he did in his last game. If he scored 35 points this game, how many did he score in his last game?

Each basketball that your coach orders is \$15. If the total cost was \$90, how many basketballs did the coach buy?

A fan bought snacks at the game for \$30 and had \$10 left in his wallet. How much money did he originally have?

A bus rental costs \$400 for the players. If the cost of the bus is split evenly among the players, and each player pays \$20, how many players are on the team?

At basketball tryouts, the coach splits the total number of players into 6 groups to warm up. If there are 6 people in each group, how many players are at tryouts?

The team has 45 points this quarter. This is 15 more points than last quarter. How many points did they have last quarter?

A player practiced dribbling for 3 hours each day. The player has practiced for 12 hours at the end of the week. How many days did they practice this week?

At the end of the game, 4 ounces of air pumped 4 ounces of air, much of it with?

Directions: Write down the answer to each question in the long box below.

Hint: Winners of the _____

Name: *Answer key* Date: _____ Class: _____

STATION 2: DRIBBLE, DRIBBLE, SHOOT!

Directions: Show your work from each question in the space below.

- $$\begin{array}{r} x + 6 = 18 \\ -6 \quad -6 \\ \hline x = 12 \\ \boxed{12 \text{ points}} \end{array}$$
- $$\begin{array}{r} 15x = 90 \\ \quad 15 \\ \hline x = 6 \\ \boxed{6 \text{ basketball}} \end{array}$$
- $$\begin{array}{r} x - 30 = 10 \\ +30 \quad +30 \\ \hline x = 40 \\ \boxed{\$40} \end{array}$$
- $$\begin{array}{r} 20x = 400 \\ \quad 20 \\ \hline x = 20 \\ \boxed{20 \text{ players}} \end{array}$$
- $$\begin{array}{r} 6x = 6 \\ \cdot 6 \quad \cdot 6 \\ \hline x = 36 \end{array}$$
- $$\begin{array}{r} x + 15 = 45 \\ -15 \quad -15 \\ \hline x = 30 \\ \boxed{30 \text{ points}} \end{array}$$
- $$\begin{array}{r} x - 3 = 19 \\ +3 \quad +3 \\ \hline x = 22 \\ \boxed{22 \text{ ounces}} \end{array}$$

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STATION 3: FULL COURT PUZZLE

TEACHERS - CUT OUT BEFORE GIVING TO STUDENTS. This is the answer key!

$\begin{array}{r} 7.1 = x + 3.5 \\ -3.5 \quad -3.5 \\ \hline x = 3.6 \end{array}$	$\begin{array}{r} 0.6 = x \\ x = 3.7 \end{array}$	$\begin{array}{r} x + 0.6 = 1.8 \\ -0.6 \quad -0.6 \\ \hline x = 1.2 \end{array}$
$\begin{array}{r} 0.3x = 1.3 \\ \cdot 3 \quad \cdot 3 \\ \hline x = 4.3 \end{array}$	$\begin{array}{r} 2.7x = 16.2 \\ \cdot 0.9 \quad \cdot 0.9 \\ \hline x = 6 \end{array}$	$\begin{array}{r} 2.7x = 16.2 \\ \cdot 0.9 \quad \cdot 0.9 \\ \hline x = 6 \end{array}$
$\begin{array}{r} 15 = x \\ x = 14 \end{array}$	$\begin{array}{r} 16 = x \\ x = 7 \end{array}$	$\begin{array}{r} 6 = x \\ x = 5 \end{array}$
$\begin{array}{r} x + 12.6 = 20 \\ -12.6 \quad -12.6 \\ \hline x = 7.4 \end{array}$	$\begin{array}{r} 0.4x = 2.8 \\ \cdot 2.5 \quad \cdot 2.5 \\ \hline x = 7 \end{array}$	$\begin{array}{r} 6 = x \\ \cdot 1.5 \quad \cdot 1.5 \\ \hline x = 4 \end{array}$
$\begin{array}{r} 7.8 = x \\ x = 2.6 \end{array}$	$\begin{array}{r} 0.4x = 2.8 \\ \cdot 2.5 \quad \cdot 2.5 \\ \hline x = 7 \end{array}$	$\begin{array}{r} 16 = x \\ x = 12 \end{array}$

This is a great activity to use when reviewing for an end of unit assessment on **one step equations** or as an end of year review.

These stations are also a **substitute-friendly** assignment!

You may also enjoy ...

ONE STEP EQUATIONS VIRTUAL ALGEBRA TILES

Solving One Step Equations with Algebra Tiles

$x + 3 = 7$

Drag & Drop the Algebra Tiles model the equation and solve.

ANSWER KEY

Write your answer in the box: $x = 4$

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Math with Ms. Rivera

SOLVING ONE & TWO STEP EQUATIONS

Task Cards

2 $-2 = \frac{-9 + x}{14}$

4 $-2 = -11 + p$

ANSWER KEY INCLUDED

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Math with Ms. Rivera

ONE-STEP EQUATIONS PIXEL ART

Directions: Solve each equation and type your answer in the answer column to reveal the picture.

#	Equation	Answer
1	$x + 8 = 15$	
2	$x - 11 = 2$	
3	$-5 + x = 15$	
4	$26 = x - 3$	
5	$8 = x + 16$	
6	$x - (-4) = 10$	
7	$17 = x - (-3)$	
8	$x - 4 = -6$	
9	$x + (-11) = 12$	
10	$-6 = x + 5$	

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Self-Checking

Math with Ms. Rivera

Free Algebra Activities!

When you join my email list, I'll send you a free Algebra print & digital self-checking activities. There is an Algebra 1 and Algebra 2 version!

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

check it out!

The image shows a collage of algebra worksheets and a digital tablet. The worksheets include:

- Answer Key** for **ADDING & SUBTRACTING RATIONAL EXPRESSIONS** and **SOLVING SYSTEMS OF EQUATIONS**.
- MULTIPLYING & DIVIDING RATIONAL EXPRESSIONS** worksheet with problems like $2. \frac{x}{x+4} \cdot \frac{x^2}{x^2-16}$.
- SOLVING SYSTEMS OF EQUATIONS** worksheet with problems like $2. 2x - 6y = -18$ and $x = 3y - 4$.

The digital tablet displays a self-checking activity titled **Rational Expression Operations - Addition & Subtraction**. The directions are: "Answer each question and type the question number with the matching answer in the answer column to the right." The activity consists of a table with 8 questions and 8 answers, with a path of colored lines connecting the questions to their correct answers.

#	Question	Answer	Type the matching question numbers here
1	$\frac{5}{x} + \frac{3}{x+1}$	$\frac{2x+1}{x+2}$	
2	$\frac{2}{x+4} - \frac{x^2}{x^2-16}$	$-\frac{1}{x^2-1}$	
3	$\frac{x+2}{x^2+4x+4} + \frac{2x}{x+2}$	$\frac{2x^2+2x+5}{x^2+x-2}$	
4	$\frac{x}{x-2} + \frac{3}{x-1}$	$-\frac{x^2+2x-8}{x^2-16}$	
5	$\frac{x}{4x+8} - \frac{1}{x^2+2x}$	$\frac{8x+5}{x^2+1}$	
6	$\frac{x+2}{x-1} + \frac{x-1}{x+2}$	$\frac{x^2-3x+7}{x^2-4}$	
7	$\frac{2x+1}{x^2-4} + \frac{x-3}{x+2}$	$\frac{x^2+2x-6}{x^2-3x+2}$	
8	$\frac{x^2+2x}{x^2-1} - \frac{x+1}{x-1}$	$\frac{x-2}{4x}$	

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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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