

# Solving Equations

## Practice Pointers

The image displays three practice pointers for solving equations, each with a basketball theme. Each pointer has a circular top section with a basketball graphic and a green border. The pointers are labeled 'Solve One-Step Equations', 'Solve Two-Step Equations', and 'Solve Multi-Step Equations'. Each pointer has a 'Glue Here' label at the top. Below the title, there are three problems, each with a 'Pointer' label and an 'Answer' box.

**Solve One-Step Equations**

- 1 Pointer:  $x - 4 = -8$  Answer
- 2 Pointer:  $-8x = -16$  Answer
- 3 Pointer:  $\frac{x}{3} = -2$  Answer

**Solve Two-Step Equations**

- 1 Pointer:  $3x + 8 = -7$  Answer
- 2 Pointer:  $-2(x - 5) = 4$  Answer
- 3 Pointer:  $\frac{x}{2} + 9 = 2$  Answer

**Solve Multi-Step Equations**

- 1 Pointer:  $4(x + 7) - 3 = -11$  Answer
- 2 Pointer:  $-6(-2x + 5) = 18$  Answer
- 3 Pointer:  $\frac{4x}{5} - 7 = 2x - 8$  Answer

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## Thank you!!!



# Teacher Notes

## Printing Instructions

- Version 1: Fill-in template (Print pages 5-7)
- Version 2: Answer key (Print pages 8-10)
- I like to print each concept on different colored paper (makes the book pop)
- You could also print on white paper and have students color.

## Materials Needed

- Scissors and glue (or stapler)
- Colored paper and colored pencils (optional)

## Construction

- I recommend having the students solve the problems first. After solving, students will cut out the 3 pages. They can either glue or staple the pages together.

Students can use their practice pointers to study for a test!

I hope you enjoy my resource and if you have any questions, please email me at [mathindemand@hotmail.com](mailto:mathindemand@hotmail.com).

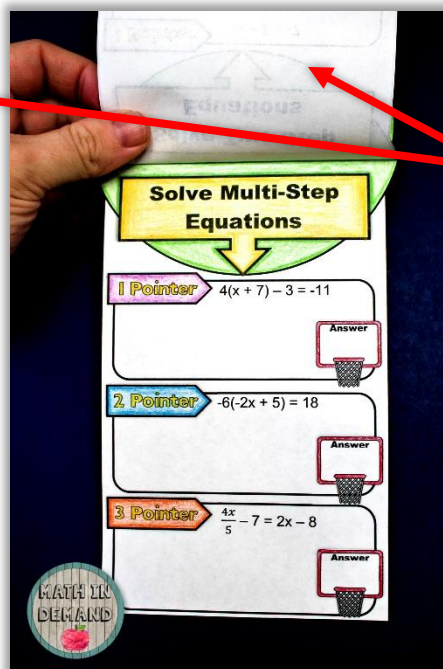
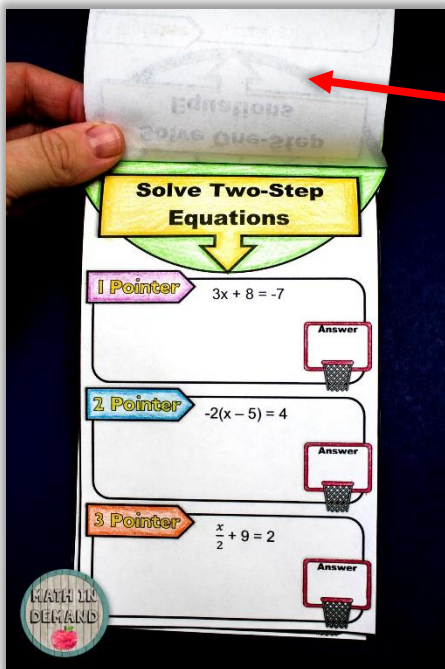
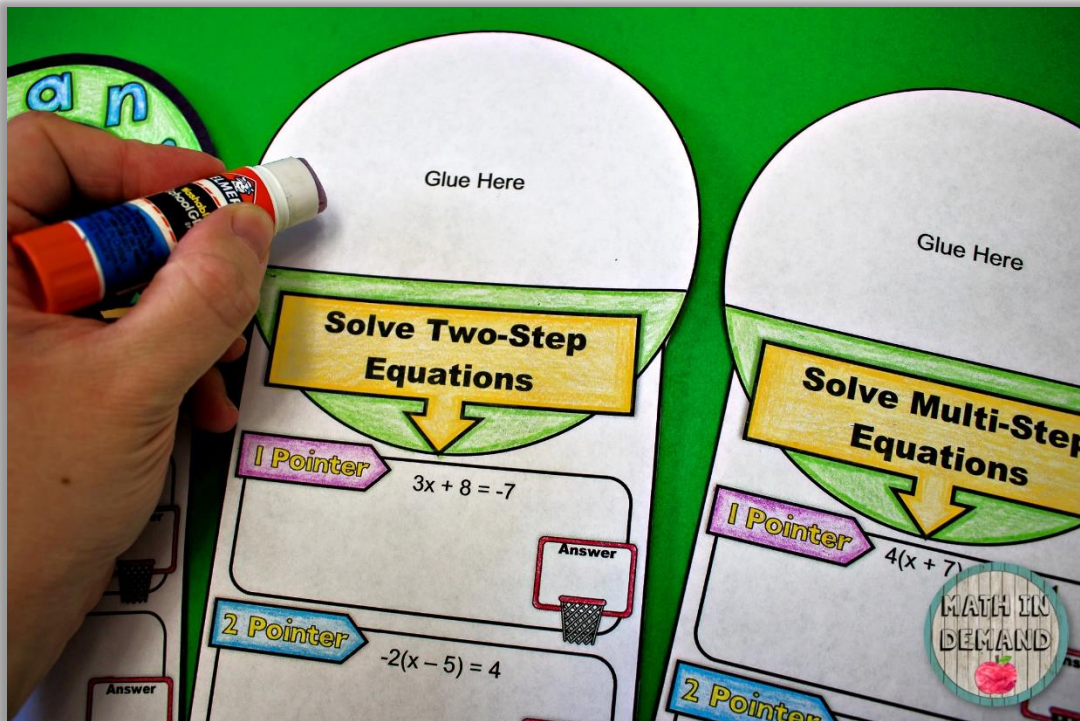


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# Sample Pictures

Glue single pages together OR staple all pages together!



There is extra space on the top of each page to write notes!



1 Pointer

$$x - 4 = -8$$

Answer



2 Pointer

$$-8x = -16$$

Answer



3 Pointer

$$\frac{x}{3} = -2$$

Answer



Glue Here

## Solve Two-Step Equations

1 Pointer

$$3x + 8 = -7$$

Answer

2 Pointer

$$-2(x - 5) = 4$$

Answer

3 Pointer

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

Answer

Glue Here

## Solve Multi-Step Equations

1 Pointer

$$4(x + 7) - 3 = -11$$

Answer

2 Pointer

$$-6(-2x + 5) = 18$$

Answer

3 Pointer

$$\frac{4x}{5} - 7 = 2x - 8$$

Answer



1 Pointer

$$\begin{array}{r} x - 4 = -8 \\ +4 \quad +4 \\ \hline x = -4 \end{array}$$

Answer

**-4**



2 Pointer

$$\begin{array}{r} -8x = -16 \\ -8 \quad -8 \\ \hline x = 2 \end{array}$$

Answer

**2**



3 Pointer

$$\begin{array}{r} \frac{x}{3} = -2 \\ 3 \cdot \frac{x}{3} = -2 \cdot 3 \\ \hline x = -6 \end{array}$$

Answer

**-6**





Glue Here

## Solve Two-Step Equations

1 Pointer

$$\begin{array}{r} 3x + 8 = -7 \\ -8 \quad -8 \\ \hline 3x = -15 \\ 3 \quad 3 \\ \hline x = -5 \end{array}$$

Answer

**-5**

2 Pointer

$$\begin{array}{r} -2(x - 5) = 4 \\ -2 \quad -2 \\ \hline x - 5 = -2 \\ +5 \quad +5 \\ \hline x = 3 \end{array}$$

Answer

**3**

3 Pointer

$$\begin{array}{r} \frac{x}{2} + 9 = 2 \\ -9 \quad -9 \\ \hline \frac{x}{2} = -7 \\ 2 \cdot \frac{x}{2} = -7 \cdot 2 \\ \hline x = -14 \end{array}$$

Answer

**-14**

Glue Here

## Solve Multi-Step Equations

1 Pointer

$$4(x + 7) - 3 = -11$$

$$\begin{array}{r} +3 \quad +3 \\ \hline 4(x + 7) = -8 \\ 4 \quad 4 \\ \hline x + 7 = -2 \\ -7 \quad -7 \\ \hline \end{array}$$

$$x = -9$$

Answer

**-9**

2 Pointer

$$-6(-2x + 5) = 18$$

$$\begin{array}{r} -6 \quad -6 \\ \hline -2x + 5 = -3 \\ -5 \quad -5 \\ \hline -2x = -8 \\ -2 \quad -2 \\ \hline \end{array}$$

$$x = 4$$

Answer

**4**

3 Pointer

$$\frac{4x}{5} - 7 = 2x - 8$$

$$\begin{array}{r} +7 \quad +7 \\ \hline 5 \cdot \frac{4x}{5} = 5(2x - 1) \\ 4x = 10x - 5 \\ -10x \quad -10x \\ \hline \end{array}$$

$$\begin{array}{r} -6x = -5 \\ -6 \quad -6 \\ \hline x = 5/6 \end{array}$$

Answer

**5/6**



# Recommendations

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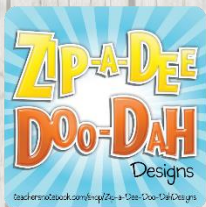
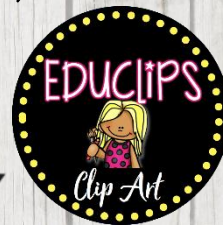
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