

# MY MESSY IDEA

Give space AND permission for students' rough draft ideas\*



#### **TRY IT**

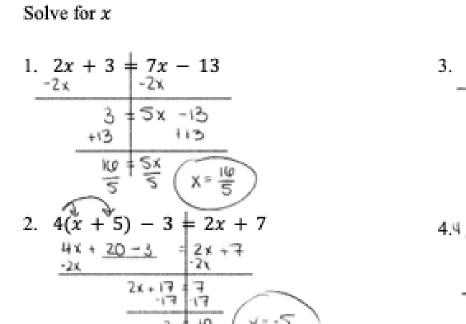
Before students solve a problem, ask them to jot down their initial thoughts or ideas about the problem in the messy ideas space.

#### WHY TRY IT?

Taking time to write down messy ideas

- helps students develop their problem solving skills
- encourages the use of multiple strategies
- helps students find a place to start

#### Solving Linear Equations



30 x Zhrs = 60

MY MESSY IDEAS

\$20

520

820 820

620 610 55

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ox thacry

 $4.4 \cdot \frac{x-3}{4} \neq (2x + 12)4$ 

5. Jaheem wants to take his friends bowling for his birthday. Bowling costs \$30 an hour and \$4 a person for shoes. If Jaheem has \$100 to spend and wants to go bowling for two hours, how many friends can he invite?

$$X = \# \text{ of friends}$$
  
 $100 = 30(z) + 4x$   
 $100 = (00 + 4x)$   
 $-\frac{100}{40} = \frac{4x}{4}$   
 $10 = x$   
Ten friends  
(an come to the party.

6. Misty saves all of her money in her piggy bank from the past year. She cracks open her piggy bank at the end of the year and counts \$235. She earns \$20 every time she mows a lawn and \$75 for her birthday. How many lawns did Misty mow last year?

$$M = \# \text{ of lums nowed}$$
 Misty mowed  $235 = 75 + 20m$  8 lawns.  $\frac{160}{20} = \frac{20m}{20}$  8=m

#### **TEACHER NOTES**

Students' initial thoughts could be a sketch, a note, a representation, or a question.

My Messy Ideas can be used on any problem type and makes a great addition to problem sets.

Make it clear to students that you will not evaluate their messy ideas.



### **CAUTION**

Avoid grading or evaluating students' messy ideas for completeness or accuracy.

#### **CLICK FOR TEMPLATE**

## LEVEL UP

Have students share their initial ideas with a partner and discuss any similarities or differences.

Have students share with a partner about how they will use their initial ideas to solve the problem.

Have students share challenges they faced when writing down their messy ideas.

