



Multi-Step Equation WORD PROBLEMS

TASK CARD ACTIVITY



MULTI-STEP EQUATION

Word Problems

Task Card Activity

Objective: Students will practice writing multi-step equations (using a single variable) to solve word problems with these 20 task cards. This includes smaller/larger number problems (both simple and in context), rectangle perimeter problems, consecutive (including consecutive even and consecutive odd) integer problems. Problems are organized in type and range in difficulty. **Students must write let statements, set up and solve a multi-step equation, then give the solution(s).**

Directions:

- 1) Print, cut, and laminate the 20 task cards. Also, copy enough recording worksheets for each student. These are the ways I have run this activity:
 - Place 2-3 cards at each station and have students move in groups of 3-4 from station to station. (This way you only need to copy one set of cards.)
 - Students work in pairs and are given a card set. They work together to answer each card. You will need to print, cut, and laminate many sets. I typically prefer this because it leads to more one-on-one discussion.
- 2) They may check their answers by scanning the QR code on the card. A mobile device is required with a QR scanner app. An internet connection is not required to scan the code. It's very simple to set up, feel free to email me if you have any questions!

Includes student worksheet, 20 task cards, and answer key!
A non-QR code version is included as well.

The image shows a stack of student worksheets and 20 task cards. The worksheets are titled "MULTI-STEP EQUATION Word Problems" and have fields for Name, Date, and Per. Each worksheet has five rows, each with three columns: "Let Statements:", "Equation & Work:", and "Final Solutions:". The task cards are numbered 1, 8, 13, and 20. Each card contains a word problem and a QR code. The problems are:

- 1** The larger of two numbers is 15 more than 6 times the smaller number. If the sum of the numbers is 64, write and solve an equation to find both numbers.
- 8** Lana, Trina, and Holly share an apartment and share food expenses. Last month, Lana paid \$12 less than Trina. Holly paid twice as much as Lana. If the monthly food bill was \$450, how much did each pay?
- 13** The length of a rectangle is 12 centimeters longer than one-third its width. If the perimeter of the rectangle is 144 centimeters, write and solve an equation to find the length and width of the rectangle.
- 20** The scores on Jordan's last three math tests were consecutive integers. Write and solve an equation to find his three test scores if the sum of the largest score and four times the smallest score is 417.