


## What You Will Do:

- Learn how to avoid common mistakes when writing word problems
- Learn the important pieces of a word problem
- Create a setting bank for word problems
- Learn how to help students decode and solve word problems


Avoiding the most common mistakes when creating a word problem.


## MATCH GAME



## MATCH GAME



Word problems that focus on a particular career fail to engage all students in your class who are not interested in that career.


Boring textbook word problems really are boring.


A rectangle with length 8 and width 6 is proportionately enlarged to have a width of 24. What is the length?

Mr. Robertson wants to enlarge a 4inch long by 6 -inch wide photograph of himself into a 64-inch wide poster.


J im buys a house for $\$ 200,000$. His down pa yment is \$25,000. His realtor's fee is $4 \%$ of the price of the house, which must be paid at closing. How much money must J im bring to closing, and how much more will he owe on the house?


## Conflict

Whatever you are asking students to find in a math problem probably causes more than enough conflict.

## Characters

Look around your school. Use students and teachers. Use celebrities that everyone knows.

## Action

What is happening in this scene (or, in our case, story problem)

## Setting

The surroundings where an event takes place


## Teen Setting Brainstorm



Teen Setting Brainstorm
What does almost everyone at your school have in common?

- Places
- Events

2:00 • Situations

## ADVANCED Brainstorm

What a re some unrea listic, rid ic ulous situa tions?

- Sci-Fi
- Rich \& Famous

Superhero Powers
BE CREKTIVETI!



Detemine what all / most problems in this unit ha ve in common


Algebra Unit Selection Wheel


Give students an organizational tool to help them be successful

$$
\begin{array}{ll}
y=\# x+\# & \# x+\# y=\# \\
\# x+\# y=\# & \# x+\# y=\#
\end{array}
$$

"more/less than"
"twice/half as many"
Conta ins two totals

## Substitution Elimination

"\# times as many"


You go on a first date with Adam Levine, and the two of you eat eight Sliders and three onion rings for just $\$ 7.85$. For your oneweek anniversary, you return to the same place and buy twelve Sliders and four onion rings for $\$ 11.20$. How much does each item cost?


## FH1414:~1 Pio:3G!



Give students an organizational tool to help them be successful

"Draw Stacks" Method
"Draw Stacks" Method


Bubba is 11 years older than Cletus. Together, they have been alive for 163 years. How old is each person?

Mr. Robertson \& Mrs. McNulty have an extensive set of their fa vorite music on their flip phones. Together, they own 129 songs. Mr. Robertson has 23 more songsthan Mrs. Mc Nulty. How many songs does each person have?


- DO NOY FOCUS ON A CAREER
- DO NOY USE UNNECESSARILY DIFFICULY OR "ADULY" LANGUAGE
- be sensiyive yo english language learners
- BE CREAYIVE
- CHARACYERS: USE SYUDENYS G/OR Y EACHERS
- USE YOUR SEYYING BANK
- CONYINUE YO ADD YO YOUR SEYYING BANK
\& PLACES, SIYUAYIONS, G EVENYS YHAY ALL OF YOUR SYUDENYS HAVE IN COMMON
\& SCI-FI, RICH \& FAMOUS, SUPERHERO POWER, G OYHER GILD SEYYINGS


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