



Think-Solve-Pair-Share

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DESCRIPTION: The Think-Solve-Pair- Share strategy allows students to work in small groups of ideally two to four people. Students think about the problem and solve it on their own. Then they work with a partner or small group to share how they solved the problem. If their answers are different they will work through where the difference came from and determine if only one or neither is correct. Sharing can end at this point or groups can share with the whole class to determine the various ways to arrive at the correct answer.

HOW TO USE: This strategy can be used for any math problem. Students can be provided with the Think-Solve-Pair-Share worksheet or the steps can be written on the board or explained verbally.

THESE ACTIVITIES ARE ALIGNED TO THE FOLLOWING STANDARDS:

Common Core- Math Practices

- MP1: Make sense of problems and persevere in solving them.
- MP2: Reason abstractly and quantitatively.
- MP3: Construct viable arguments and critique the reasoning of others.
- MP5: Use appropriate tools strategically.
- MP6: Attend to precision.

EXAMPLE:

Problem	<i>Vicki earned \$29.75 for working 3 ½ hours. What was her hourly wage?</i>
Think	<i>Think about what you need to know and do to solve the problem. Write that information here.</i> <i>Need to know wage per hour (wage/hour). That means dividing total wage by total hours. 3 ½ is same as 3.5</i>
Solve	<i>Work the problem in this space. This work should be on your own!</i> <i>29.75 dollars / 3.5 hours = \$8.50 per hour</i>
Pair /Share	<i>Pair up with a partner and compare answers. Share how you arrived at your answer. If you need to recalculate use this space.</i>
Final Solution	<i>Put your final answer here. Be prepared to share your answer and work with the whole class!</i> <i>Partner and I had same solution. \$8.50 is Vicki's hourly wage.</i>

NAME: _____

Think-Solve-Pair-Share Worksheet

Problem	
Think	<i>Think about what you need to know and do to solve the problem. Write that information here.</i>
Solve	<i>Work the problem in this space. This work should be on your own!</i>
Pair /Share	<i>Pair up with a partner and compare answers. Share how you arrived at your answer. If you need to recalculate use this space.</i>
Final Solution	<i>Put your final answer here. Be prepared to share your answer and work with the whole class!</i>

Aligned to the following standards:
MP1; MP2; MP3; MP5; MP6