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| --- | --- | --- | --- |
|   | **RESULT** **UNKNOWN** | **CHANGE** **UNKNOWN** | **START** **UNKNOWN** |
| **ADD TO**(JOIN) | Josh ran the first lap of a two lap race in 58.784 seconds.  He ran the second lap in 59.137 seconds.  How many seconds did it take him to complete both laps? 58.784 + 59.137 = ? | Josh ran the first lap of a two lap race in 58.784 seconds.  It took him 117.921 seconds to complete both laps.  How long did it take him to run the second lap? 58.784 + ? = 117.921 | Josh ran a two lap race in 117.921 seconds.  He ran the second lap in 59.137 seconds.  How long did it take him to run the first lap?  ? + 59.137 = 117.921 |
| **TAKE FROM**(SEPARATE) | Shelly checked her savings account balance on Tuesday.  It showed a balance of $365.35.  She spent $126.98 at the mall.  What is her new savings account balance?  $365.35 - $126.98 = ? | Shelly checked her savings account balance on Tuesday.  It showed a balance of $365.35.  She spent some money at the mall and her balance now shows $238.37.  How much money did she spend at the mall?$365.35 - ? =$238.37 | Sally had some money in her savings account.  She spent $126.98 at the mall leaving a balance of $238.37 in her account.  What was her savings account balance before shopping at the mall?? - $126.98 = $236.37 |

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| **PUT TOGETHER /TAKE APART**(PART, PART WHOLE) | **TOTAL UNKNOWN**Part, Part, Whole Whole Unknown | **ADDEND UNKNOWN**Part, Part, WholePart Unknown | **BOTH ADDENDS UNKNOWN**New Problem Type both parts unknown |
| Mary has 10.75 inches of blue ribbon for her art project.  She also has 27.46 inches of white ribbon.  How many inches of ribbon does Mary have for her art project?10.75 + 27.46 = ? | Mary has 38.21 inches of blue and white ribbon for her art project.  She has 10.75 inches of blue ribbon.  How much of her ribbon is white?38.21 + ? = 10.7510.75 - 38.21 = ? | Mary needs 38.21 inches of ribbon for her art project.  She wants to use blue and white ribbon.  How many inches of each color ribbon could she have?? + ? = 38.21 (answers will vary) |

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| **COMPARE** | **DIFFERENCE UNKNOWN***Difference Unknown* | **BIGGER** **UNKNOWN***Compare Quantity Unknown* | **SMALLER UNKNOWN***Referent Unknown* |
| Molly and Maggie are science lab partners. Molly measured 157.126 ml salt water solution.  Maggie measured 126.295 ml of salt water solution.  How many **more** ml of solution does Molly have than Maggie?Molly has 157.126 ml of salt solution. Maggie has 126.295 ml of salt solution.  How many **fewer** ml does Maggie have than Molly?126.295 + ? = 157.126157.126 - 126.295 = ? | Amy has 5.26 **more** pounds of apples than Shelly.  Shelly has 4.87 pounds of apples.  How many pounds of apples does Amy have?Shelly has 5.26 **fewer** pound of apples than Amy.  Shelly has 4.87 pounds of apples.  How many pounds of apples does Amy have?4.87 + 5.26 = ?5.26 + 4.87 = ? | Amy has 5.26 **more** pounds of apples than Shelly.  Amy has 10.13 pounds of apples.  How many pounds of apples does Shelly have? Shelly has 5.26 **fewer** pounds of apples than Amy.  Amy has 10.13 pounds.  How many pounds of apples does Shelly have?10.13 - 5.26 = ?? + 5.26 = 10.13 |