

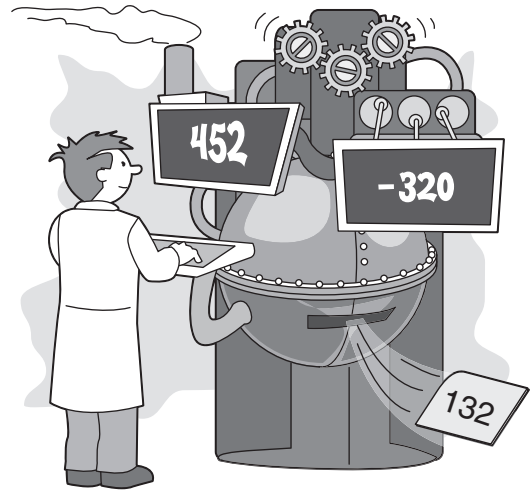
Challenge

In and Out

Mr. Numbers has designed an input/output machine. He programmed the machine with a rule. When he types in the “input” number, the machine goes to work, then out pops a card with a new “output” number.

Look at the cards below. Match them with the rule and the input that Mr. Numbers typed into the machine.

177	148
103	191
43	640
73	242



- | | | |
|--|-------------------|----------------------|
| 1. Rule: Subtract 789 | Input: 832 | Output: _____ |
| 2. Rule: Subtract 281 | Input: 458 | Output: _____ |
| 3. Rule: Subtract 203 | Input: 843 | Output: _____ |
| 4. Rule: Subtract 777 | Input: 968 | Output: _____ |
| 5. Rule: Subtract 281 | Input: 523 | Output: _____ |
| 6. Rule: Subtract 789 | Input: 862 | Output: _____ |
| 7. Rule: Subtract 197 | Input: 345 | Output: _____ |
| 8. Rule: Subtract 514 | Input: 617 | Output: _____ |
| 9. Think About It What is the rule if Mr. Numbers typed in 782 and the machine popped out a card with the number 441 on it? | | |

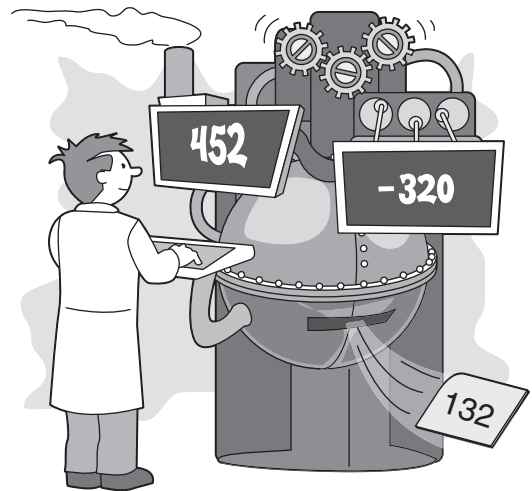
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Subtract 341 _____