

DETAILED SOLUTIONS

- p. 1**
- | ROCK | LOCATION |
|---------|----------|
| boulder | valley |
| cobble | gorge |
| pebble | lake |
- A pebble is smaller than a cobble, so the pebble is not the rock in the valley (1). Since the rock in the valley is not the cobble, it is the boulder. The cobble isn't in the lake (2), so the pebble is, and so the cobble is in the gorge.
- p. 2**
- | STUDENT | CANDIDATE |
|-----------|-----------|
| Agnes | Grant |
| Betsy | Sterling |
| Cornelius | McGuire |
| Dexter | Houh |
- A boy voted for McGuire (1), but he isn't Dexter (1), so he is Cornelius. Betsy didn't vote for Houh or Grant (2), so she voted for Sterling. Agnes didn't vote for Houh (3), so Dexter did, and Agnes voted for Grant.
- p. 3**
- | STUDENT | SCHOOL |
|---------|---------|
| Dana | Carver |
| Ephraim | Adams |
| John | King |
| Martha | Lincoln |
- There are two girls in the problem (1, 3), so Dana is a girl. The girl who attends Lincoln isn't Dana (1), so she is Martha. Then the girl who attends Carver (3) is Dana. Ephraim doesn't go to King (2), so John does, and so Ephraim goes to Adams.
- p. 4**
- | NAME | RANK |
|----------|------------|
| Atherton | lieutenant |
| Barron | colonel |
| Randall | general |
| Weissman | major |
- Weissman is not the colonel or the general (1) or the lieutenant (2), so Weissman is the major. Then Barron is the colonel and Randall is the general (1), so Atherton is the lieutenant.
- p. 5**
- | NAME | TRANSPORTATION |
|----------|----------------|
| Amherst | train |
| Bartlett | speedboat |
| Croft | horse |
| Davies | sailplane |
| Enders | jet |
- Bartlett's favorite transportation must be the speedboat (1). Amherst's and Croft's favorites are not the jet nor sailplane (2). Ender's and Amherst's favorites are not the sailplane nor horse, so Davies favorite is the sailplane (3). Amherst's favorite isn't the horse, so it's the train. This means Croft's favorite is the horse, and Ender's favorite is the jet (4).