

Name _____

Score: _____

In and Out Boxes

Fill in the empty boxes.

a.

| In | Out |
|----|-----|
| 10 | |
| 13 | |
| 15 | |
| | 25 |

rule: add 10

b.

| In | Out |
|----|-----|
| 7 | 4 |
| 9 | |
| | 11 |
| | 10 |

rule: _____

c.

| In | Out |
|----|-----|
| 17 | 25 |
| 25 | |
| 38 | |
| | 45 |

rule: _____

d.

| In | 19 | 25 | 71 | 7 |
|-----|----|----|----|---|
| Out | | | | |

rule: subtract 10

e.

| In | 15 | 22 | | |
|-----|----|----|----|----|
| Out | 8 | | 36 | 20 |

rule: _____

- f. Paul and Joy were born on the exact same day, but not in the same year. Their ages are shown in the table.

Age in Years

| | | | | | | |
|----------|----|----|----|----|----|----|
| Paul Age | 13 | 16 | 20 | 25 | ? | 28 |
| Joy Age | 16 | 19 | 23 | ? | 29 | 31 |

When Paul was 25, how old was Joy? _____

When Joy was 26, how old was Paul? _____

When Joy was 38, how old was Paul? _____

Which choice best explains the rule for this table? (Circle one)

- Add three to Paul ' age to find Joy's age.
- Add three to Joy's age to find Paul ' age.
- Subtract three from Paul ' age to find Joy's age.
- Subtract three from the sum of Paul and Joy' age to find Joy's age.

Name _____

Score: _____

In and Out Boxes **ANSWER KEY**

Fill in the empty boxes.

a.

| In | Out |
|----|-----|
| 10 | 20 |
| 13 | 23 |
| 15 | 25 |
| 15 | 25 |

rule: **add 10**

b.

| In | Out |
|----|-----|
| 7 | 4 |
| 9 | 6 |
| 14 | 11 |
| 13 | 10 |

rule: **subtract 3**

c.

| In | Out |
|----|-----|
| 17 | 25 |
| 25 | 33 |
| 38 | 46 |
| 37 | 45 |

rule: **add 8**

d.

| | | | | |
|-----|----|----|----|---|
| In | 19 | 25 | 71 | 7 |
| Out | 13 | 19 | 65 | 1 |

rule: **subtract 6**

e.

| | | | | |
|-----|----|----|----|----|
| In | 15 | 22 | 43 | 27 |
| Out | 8 | 15 | 36 | 20 |

rule: **subtract 7**

- f. Paul and Joy were born on the exact same day, but not in the same year. Their ages are shown in the table.

Age in Years

| | | | | | | |
|----------|----|----|----|----|----|----|
| Paul Age | 13 | 16 | 20 | 25 | 26 | 28 |
| Joy Age | 16 | 19 | 23 | 28 | 29 | 31 |

When Paul was 25, how old was Joy? **28**

When Joy was 26, how old was Paul? **23**

When Joy was 38, how old was Paul? **35**

Which choice best explains the rule for this table? (Circle one)

- a. Add three to Paul ' age to find Joy's age.**
- b. Add three to Joy's age to find Paul ' age.
- c. Subtract three from Paul ' age to find Joy's age.
- d. Subtract three from the sum of Paul and Joy' age to find Joy's age.