

Name \_\_\_\_\_

Score: \_\_\_\_\_

# In and Out Boxes

Fill in the empty boxes.

a.

In	Out
30	
50	
72	
	100

rule: add 25

b.

In	Out
60	30
50	
	90
	75

rule: \_\_\_\_\_

c.

In	Out
32	48
56	
66	
	76

rule: \_\_\_\_\_

d.

In	45	28	60	78
Out				

rule: subtract 8

e.

In	42	63		
Out	21		31	51

rule: \_\_\_\_\_

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

Age in Years

Tom Age	3	5	9	13	?	24
Dick Age	10	12	16	?	22	31

When Tom was 13, how old was Dick? \_\_\_\_\_

When Dick was 20, how old was Tom? \_\_\_\_\_

When Dick was 36, how old was Tom? \_\_\_\_\_

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

- a. Add seven to Dick age to find Tom age.
- b. Add seven to Dick age to find Tom age.
- c. Subtract seven from Dick ' age to find Tom age.
- d. Subtract seven from the sum of Tom and Dick age to find Dick age.

Name \_\_\_\_\_

Score: \_\_\_\_\_

# In and Out Boxes **ANSWER KEY**

Fill in the empty boxes.

a.

In	Out
30	<b>55</b>
50	<b>75</b>
72	<b>97</b>
<b>75</b>	100

rule: **add 25**

b.

In	Out
60	30
50	<b>20</b>
<b>120</b>	90
<b>105</b>	75

rule: **subtract 30**

c.

In	Out
32	48
56	<b>72</b>
66	<b>82</b>
<b>60</b>	76

rule: **add16**

d.

In	45	28	60	<b>78</b>
Out	<b>37</b>	<b>20</b>	<b>52</b>	70

rule: **subtract 8**

e.

In	42	63	<b>52</b>	<b>72</b>
Out	21	<b>42</b>	31	51

rule: **subtract 21**

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

Age in Years

Tom Age	3	5	9	13	<b>15</b>	24
Dick Age	10	12	16	<b>20</b>	22	31

When Tom was 13, how old was Dick? **20**

When Dick was 20, how old was Tom? **13**

When Dick was 36, how old was Tom? **29**

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

- a. Add seven to Dick age to find Tom age.
- b. Add seven to Dick age to find Tom age.
- c. Subtract seven from Dick's age to find Tom age.**
- d. Subtract seven from the sum of Tom and Dick age to find Dick age.