

Name: \_\_\_\_\_

Addition, Subtraction, Multiplication and Division In and Out Boxes

## In and Out Boxes

a.

In	Out
7	
9	
14	
	21

rule: add 6

b.

In	Out
2	4
6	12
7	
	18

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

c.

In	Out
9	2
12	5
18	
	20

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

d.

In	18		42	
Out		5		9

rule: divide by 6

e.

In	6	9		
Out	5	8	13	19

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

- e. Sam made up a new game in which players throw a Frisbee into a hockey net. The table below shows the number of points earned for each goal.

Points in Frisbee Hockey

Number of Goals	1	2	3	4	5
Total Points	8	16	24	?	40

When 4 goals are scored, how many points are earned? \_\_\_\_\_

When 10 goals are scored, how many points are earned? \_\_\_\_\_

Leroy thinks that his team will earn 76 points if his team makes 9 goals. Tell whether or not he is correct and explain your answer.

---



---



---



---

# ANSWER KEY

## In and Out Boxes

a.

In	Out
7	<u>13</u>
9	<u>15</u>
14	<u>20</u>
<u>15</u>	21

rule: add 6

b.

In	Out
2	4
6	12
7	<u>14</u>
<u>9</u>	18

rule: multiply by 2

c.

In	Out
9	2
12	5
18	<u>11</u>
<u>27</u>	20

rule: subtract 7

d.

In	18	<u>30</u>	42	<u>54</u>
Out	<u>3</u>	5	<u>7</u>	9

rule: divide by 6

e.

In	6	9	<u>14</u>	<u>20</u>
Out	5	8	13	19

rule: subtract 1

- e. Sam made up a new game in which players throw a Frisbee into a hockey net. The table below shows the number of points earned for each goal.

Points in Frisbee Hockey

Number of Goals	1	2	3	4	5
Total Points	8	16	24	<u>32</u>	40

When 4 goals are scored, how many points are earned? 32

When 10 goals are scored, how many points are earned? 80

Leroy thinks that his team will earn 76 points if his team makes 9 goals. Tell whether or not he is correct and explain your answer.

Leroy is incorrect. To find the total points, you need to multiply by 8. If he makes 9 goals, he would have 72 points.