

Name: ..... Class: .....

Whole number division input/output: find the rules



Find the rule for the following input/output tables.

a.

Input	6	9	12	15	18
output	2	3	4	5	6

b.

Input	144	120	100	80	4
output	36	30	25	20	1

c.

Input	143	132	121	110	99
output	13	12	11	10	9

d.

Input	60	55	100	20	15
output	12	11	20	2	3

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## Whole number division input/output: find the rules



Find the rule for the following input/output tables.

a.

Input	6	9	12	15	18
output	2	3	4	5	6

Let's first of all figure out how the input numbers are related to the output numbers.

You see that, we can get from

6 to 2 by dividing 6 by 3

9 to 3 by dividing 12 by 3

12 to 4 by dividing 12 by 3

15 to 5 by dividing 15 by 3

18 to 6 by dividing 18 by 3

Therefore, the rule is: divide by 3.

b.

Input	144	120	100	80	4
output	36	30	25	20	1

Let's first of all figure out how the input numbers are related to the output numbers.

You see that, we can get from.

144 to 36 by dividing 144 by 4

120 to 30 by dividing 120 by 4

100 to 25 by dividing 100 by 4

80 to 20 by dividing 80 by 4

4 to 1 by dividing 4 by 4

Therefore, the rule is: divide by 4.

c.

Input	143	132	121	110	99
output	13	12	11	10	9

Let's first of all figure out how the input numbers are related to the output numbers.

You see that, we can get from

143 to 13 by dividing 143 by 11

132 to 12 by dividing 132 by 11

121 to 11 by dividing 121 by 11

110 to 10 by dividing 110 by 11

99 to 9 by dividing 99 by 11

So, the rule is: divide by 11.

d.

Input	60	55	100	20	15
output	12	11	20	2	3

Let's first of all figure out how the input numbers are related to the output numbers.

You see that, we can get from.

60 to 12 by dividing 60 by 5

55 to 11 by dividing 55 by 5

100 to 20 by dividing 100 by 5

20 to 2 by dividing 20 by 5

15 to 3 by dividing 15 by 5

Therefore, the rule is: divide by 5.