

PATTERNS AND RULES

LOOK • THINK • EXTEND

Find the rule. Then use it.

2, 4, 8, 16, ...

1 Remember

Find the rule for each input-output table.

Input	Output
1	6
4	18
13	54

Rule:

Multiply by 4, then add 2

Input	Output
5	50
9	90
14	140

Rule:

Multiply by 10

2 Continue the pattern

Look for the rule. Write the next three numbers in each pattern.

14

,

33

,

52

,

,

,

Rule: _____

91

,

82

,

73

,

,

,

Rule: _____

6

,

7.5

,

9

,

,

,

Rule: _____

0.07

,

0.7

,

7

,

,

,

Rule: _____

3 Find the rule

Look at each input-output table. Find the rule.

Input	Output
6	33
11	53
15	69

Rule: _____

Input	Output
3	17
5	19
9	23

Rule: _____

Input	Output
9	59
12	77
15	95

Rule: _____

Input	Output
3	21
5	35
7	49

Rule: _____

4 Make your own

Use the rule. Then complete the table.

Rule: Multiply by 5, then add 1

Input	2	7	10	12	14
Output					

God is love.

1 John 4:8

1, 3, 6, 10, 15, ...

Look for patterns.
Discover truth.
Think further.

