

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	7
2	13
15	91

Rule:

Multiply by 6, then add 1

Input	Output
9	108
14	168
15	180

Rule:

Multiply by 12

2 Continue the pattern

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

4.5

,

6

,

7.5

,

,

,

Rule: _____

18

,

15

,

12

,

,

,

Rule: _____

9

,

28

,

47

,

,

,

Rule: _____

0.04

,

0.4

,

4

,

,

,

Rule: _____

3 Find the rule

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

Input	Output
1	10
8	80
9	90

Rule: _____

Input	Output
4	24
7	36
10	48

Rule: _____

Input	Output
5	21
6	22
7	23

Rule: _____

Input	Output
7	30
8	33
15	54

Rule: _____

4 Make your own

Use the rule. Then complete the table.

Rule: Multiply by 5, then add 1

Input	1	3	5	7	12
Output					

I can do all things
through Christ which
strengtheneth me.

Philippians 4:13

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

Look for patterns.
Discover truth.
Think further.

