

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
4	17
6	19
11	24

Rule:

Add 13

Input	Output
7	63
8	72
15	135

Rule:

Multiply by 9

2 Continue the pattern

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

25

49

73

Rule:

2

4

8

Rule:

23

20

17

Rule:

39

44

49

Rule:

3 Find the rule

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

Input	Output
9	14
10	15
15	20

Rule: _____

Input	Output
2	6
10	30
13	39

Rule: _____

Input	Output
1	7
3	21
11	77

Rule: _____

Input	Output
4	1
7	4
14	11

Rule: _____

4 Make your own

Use the rule. Then complete the table.

Rule: Multiply by 4

Input	3	5	8	9	15
Output					

The joy of the LORD
is your strength.

Nehemiah 8:10

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

Look for patterns.
Discover truth.
Think further.