

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
3	16
5	24
7	32

Rule:

Multiply by 4, then add 4

Input	Output
6	48
8	64
13	104

Rule:

Multiply by 8

2 Continue the pattern

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

6.5

,

8

,

9.5

,

,

,

Rule:

149

,

136

,

123

,

,

,

Rule:

0.02

,

0.2

,

2

,

,

,

Rule:

2

,

9

,

16

,

,

,

Rule:

3 Find the rule

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

Input	Output
5	20
8	32
9	36

Rule:

Input	Output
11	60
13	70
14	75

Rule:

Input	Output
6	19
12	37
15	46

Rule:

Input	Output
3	25
10	32
11	33

Rule:

4 Make your own

Use the rule. Then complete the table.

Rule: Multiply by 3, then add 9

Input	1	4	6	10	15
Output					

Let all your things
be done with charity.

1 Corinthians 16:14

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

Look for patterns.
Discover truth.
Think further.

