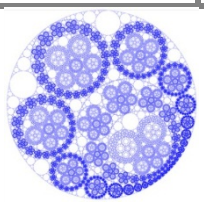
Ready, Set, Go!



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Ready

Topic: Finding recursive and explicit rules for tables.

For each table create both a recursive and an explicit function rule.

1.

x	f(x)
0	7
1	10
2	13
3	16

Recursive Rule:

Explicit Function:

2.

x	f(x)
0	7
1	14
2	28
3	56

Recursive Rule:

Explicit Function:

3.

t	f(t)
0	1
1	10
2	100
3	1000

Recursive Rule:

Explicit Function:

4.

x	g(x)
0	12
1	8
2	4
3	0

Recursive Rule:

Explicit Function:

5.

t	h(t)
0	5
1	10
2	20
3	40

Recursive Rule:

Explicit Function:

6.

t	h(t)
0	5
1	10
2	15
3	20

Recursive Rule:

Explicit Function:

7.

n	f(n)
0	4
1	9
2	13
3	18

Recursive Rule:

Explicit Function:

8.

n	f(n)
0	4
1	12
2	36
3	108

Recursive Rule:

Explicit Function:

9.

x	f(x)
0	6
1	12
2	24
3	48

Recursive Rule:

Explicit Function:

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Set

Topic: Evaluate the following equations when x = { 1, 2, 3, 4, 5 }. Organize your inputs and outputs into a table of values for each equation. Let x be the input and y be the output.

10. $f(x) = 4^x$

11. $g(x) = (-3)^x$

12. $h(x) = -3^x$

13. $r(x) = 10 - 3x$

Go

Topic: Solve equations and justify

Solve each equation, justifying each step you use.
(Addition property of equality, etc. Distributive Property, Combining like terms)

14.

$3(x + 2) = 15$	Justification

15.

$x - 10 = 2$	Justification

16.

$2(x + 3) = x + 11$	Justification

17.

$6x - 5 = 11 + 2x$	Justification

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