Patterns: Find a Rule

Find a rule. Write your rule as an equation. Use your rule to find the
missing numbers. | Use / to type the division |

1.

Input, c	4	8	32	128	512
Output, d	1	2	8	■	■

| Type the rule |

2.

Input, r	4	5	6	7	8
Output, s	8	10	12	■	■

| Type the rule |

3.

Input, a	10	20	30	40	50
Output, b	1	2	3	■	■

| Type the rule |

4.

Input, m	85	80	75	70	65
Output, n	17	16	15	■	■

| Type the rule |

Use the rule and the equation to fill in the input/output table.

5. Multiply a by 3, subtract 1.
$a \times 3 - 1 = b$

Input, a	1	2	3	4	5
Output, b	2	■	■	■	■

6. Divide c by 2, add 1.
$c \div 2 + 1 = d$

Input, c	2	4	6	8	10
Output, d	2	■	■	■	■