

1,

$$\begin{array}{ccc} \boxed{2.5} & + & \boxed{9.5} = 12 \\ + & & + \\ \boxed{12.5} & - & \boxed{2.5} = 10 \\ = 15 & & = 12 \end{array}$$

2,

$$\begin{array}{ccc} \boxed{0.5} & + & \boxed{14.5} = 15 \\ + & & + \\ \boxed{7.5} & - & \boxed{0.5} = 7 \\ = 8 & & = 15 \end{array}$$

3,

$$\begin{array}{ccc} \boxed{-3} & + & \boxed{8} = 5 \\ + & & + \\ \boxed{8} & - & \boxed{1} = 7 \\ = 5 & & = 9 \end{array}$$

4,

1 , 2 , 4 , 8 , 16, 32, 64.

1, 4 , 16 , 64, 256,1024.