

Name

Date

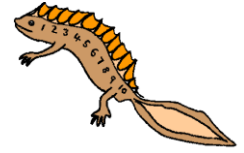


NEWTON'S NUMBER TRACK PUZZLE 6B

Each number in the number track is made by adding the previous 2 numbers.

Example

-3	5	2	7	9
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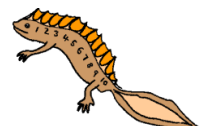


- The 3rd number is made by adding the first 2 numbers: $-3 + 5 = 2$.
- The 4th number is made by adding the 2nd and 3rd number: $5 + 2 = 7$, etc.

Fill in the missing numbers in these number tracks.

1)	1.8	0.9			
2)	-3	-2			
3)	2	-5			
4)	$\frac{1}{3}$	$\frac{1}{2}$			
5)	$\frac{1}{4}$	$\frac{3}{8}$			
6)	-5	-4			
7)	2.1		4.7		
8)	$\frac{3}{5}$		1		
9)	4			-6	
10)					-10
					-10
					-10
					-10

Can you find 4 different **integer** answers for question 10?





NEWTON'S NUMBER TRACK PUZZLE 6B ANSWERS

1)	1.8	0.9	2.7	3.6	6.3
2)	-3	-2	-5	-7	-12
3)	2	-5	-3	-8	-11
4)	$\frac{1}{3}$	$\frac{1}{2}$	$\frac{5}{6}$	$1\frac{1}{3}$	$2\frac{1}{6}$
5)	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{5}{8}$	1	$1\frac{5}{8}$
6)	-5	-4	-9	-13	-22
7)	2.1	2.6	4.7	7.3	12
8)	$\frac{3}{5}$	$\frac{2}{5}$	1	$1\frac{2}{5}$	$2\frac{2}{5}$
9)	4	-5	-1	-6	-7
10)	4	-6	-2	-8	-10
	1	-4	-3	-7	-10
	-2	-2	-4	-6	-10
	-5	0	-5	-5	-10

There are an infinite number of solutions to question 10.

As long as $(2 \times \text{the } 1^{\text{st}} \text{ number}) + (3 \times \text{the } 2^{\text{nd}} \text{ number}) = -10$, it will work.