

Countdown to Zero

When engineers are about to launch a rocket, they count the seconds to zero, which is blastoff time. These are like negative numbers leading up to 0. They also count the seconds after the launch. These are like positive numbers following 0. For example, 0 minus 3 is 3 seconds before blastoff, and 0 plus 3 is 3 seconds after blastoff.

- Imagine you are an engineer, counting down to the moment the rocket is fired. It is now 7 seconds before the firing. Count each second to 5 seconds after blastoff.

- Fill in the missing numbers in the table so that each column and each row adds up to 0.

-6		7	-4	-3
3		-5	7	
	3	-7	-3	3
-3	3			-2
2	-3	-1	4	

Jeremy, Peter, Liz and Carly are playing Trivia Spin. They gain or lose points according to what they spin. By the last round the scores are as follows: Jeremy has 0 points, Peter has 8 points, Liz has -10 points, and Carly has -4 .

- Peter takes his last spin and lands on -8 . What is his final score? _____
- Jeremy spins and lands on a 2 points question, answers the question correctly, and gains 2 points. He spins again and lands on -4 points. What is his final score? _____
- On Liz's turn, she spins a 6 and answers the question correctly. What is her final score? _____
- Carly spins an 8. With a correct answer, what does her score total? _____
- List the children in order of highest score to lowest.
