

Time to go home

A game for 2 - 4 players

Skills Addition and Subtraction of integers. Students using number properties but as the “game board” is an integer number line this is an additional way of visualising the process of addition and subtraction.

Equipment A 10 sided die, two 6 sided dice (in different colours), counter for each student, integer number line for each student.

Aim The aim of the game is to be the first to return to zero on the number line.

Rules Toss a 6 sided die (eg blue) – an even number indicates addition, an odd subtraction.
Toss another 6 sided die (eg red) – an even indicates positive an odd negative
Now toss the 10 sided die and add or subtract as indicated.
Students start at zero on the number line. Here is an example of one student’s moves.

Move 1	Toss 4 (add)	Toss 2 (pos)	Toss 9	$0 + 9 = 9$	Move
	counter to 9				
Move 2	Toss 4 (add)	Toss 3 (neg)	Toss 8	$9 + ^{-}8 = 1$	Move
	counter to 1				
Move 3	Toss 3 (sub)	Toss 5 (neg)	Toss 5	$1 - ^{-}5$	Move
	counter to 6				

Play continues until the first student returns to zero.