



Addition Strategies Version


1	2				6	7			10
11		13		15				19	20
21			24			27		29	
	32			35	36		38		40
	42	43			46		48		50
51	52		54				58	59	
61		63	64		66	67	68		70
71	72			75		77		79	80
81		83		85		87			90
	92		94	95		97		99	100
101		103		105	106		108	109	110
111	112		114			117		119	


Race to the Tree - Addition Strategies


Roll a 6-sided dice to move your character each turn, racing against a partner. On the side of your shared gameboard, place a small pile of sliced-up tokens from the next page (cookies, candy canes, presents, snowmen and Christmas trees). Your goal is to collect the most points, before the game ends by one player reaching the 120 square first. The player with the most points when the game ends, wins!

If you land on a  , it is worth 3 points. Collect a cookie token and add it to your collection!



If you land on a  , it is worth 5 points. Collect a candy cane!

If you land on a  , it is worth 7 points. Collect a present!

If you land on a  , it is worth 8 points. Collect a snowman!

If you land on a  , it is worth 9 points. Collect a tree!

After each turn, while your partner rolls, do a quick sketch of the tokens you have and how you added them all. Use your 10 facts, doubles, near doubles and building to ten strategies to help you. For example, using 3 columns in your maths book:

Sketch of tokens	Strategies	Total
	$5 \text{ } \img alt="Candy cane" data-bbox="381 698 408 738"/> + 5 \text{ } \img alt="Candy cane" data-bbox="443 698 470 738"/> = 10 \text{ (10 fact)}$	$= 10 + 17 + 14$
	$9 \text{ } \img alt="Christmas tree" data-bbox="381 738 423 778"/> + 8 \text{ } \img alt="Snowman" data-bbox="454 743 501 778"/> = 10 + 7 = 17 \text{ (build to ten, think } 10+7)$	$= 30 \text{ (3 tens)} + 7 + 3 + 1$
	$7 \text{ } \img alt="Present" data-bbox="378 815 423 845"/> + 7 \text{ } \img alt="Present" data-bbox="454 815 493 845"/> = 14 \text{ (double)}$	$= 41$

Extension 1: Collect the token in the quantity you rolled on the dice, multiplying its value by whatever you rolled.

Extension 2: The elves made each token worth 10x more than its usual value.

Points version of the game – cut outs for students to collect their points tokens:



Addition Strategy Tips

$$3 \text{ 🍪} + 7 \text{ 📦} = 10 \text{ fact}$$

$$5 \text{ 🍭} + 5 \text{ 🍭} = 10 \text{ fact}$$

$$\text{📦} 7 + \text{📦} 7 = 14 \text{ double fact}$$

$$8 \text{ 🌨️} + 8 \text{ 🌨️} = 16 \text{ double fact}$$

$$7 \text{ 📦} + 8 \text{ 🌨️} = 7 + 7 + 1$$
$$= 14 + 1 = 15 \text{ near double}$$

$$9 \text{ 🌲} + 8 \text{ 🌨️} \text{ think } 8 + 8 + 1$$
$$= 16 + 1 = 17 \text{ near double}$$

OR think $9 + 1 + 7$

$$\text{so } 10 + 7 = 17 \text{ build to ten}$$