

Friday Maths Extension worksheet and answers.

LC: I can count in tenths.

9. Nathan and Violet each have one whole pizza both cut into ten slices. Each slice is one tenth of their pizza.



I eat twice as much as Nathan and don't share with anyone else.

My brother takes three tenths and I take  $\frac{4}{10}$ .  
My brother puts two tenths back. I can't eat all of my slices.



What fraction of pizza could they each have left?



R  
HW/1

Count in Tenths

1. Ollie and Jennifer are playing a board game, each section represents a tenth. They each have three dice throws.

I throw these numbers.



FINISH	move back seven tenths	16	jump to the finish line	15
move back $\frac{2}{10}$ and forward $\frac{3}{10}$	move back two tenths	12	13	14
11	move forwards two tenths	10	9	
move forwards $\frac{3}{10}$ and back $\frac{1}{10}$		6	7	8
move back one tenth		5	4	3
START		1	2	

I throw these numbers.



Investigate who has the most chances of finishing the game, depending on the order their dice are thrown.

DP


(This might need you to work with a grown up!)

9. Various answers, for example: Nathan could leave 1, 2 or 3 of his pizza slices so would have  $\frac{6}{10}$ ,  $\frac{7}{10}$  or  $\frac{8}{10}$  of his pizza left.


Violet could either eat 2, 4, 6 slices so would have  $\frac{8}{10}$ ,  $\frac{6}{10}$ ,  $\frac{4}{10}$  of her pizza left.

1. Ollie and Jennifer are playing a board game, each section represents a tenth. They each have three dice throws.

I throw these numbers.




Jennifer




FINISH	move back seven tenths	16	jump to the finish line	15
move back $\frac{2}{10}$ and forward $\frac{3}{10}$	move back two tenths	12	13	14
11	move forwards two tenths	10	9	
move forwards $\frac{3}{10}$ and back $\frac{1}{10}$	7	6	8	
move back one tenth	5	4	3	move forwards four tenths
START	1	2		

I throw these numbers.



Ollie



Investigate who has the most chances of finishing the game, depending on the order their dice are thrown. Ollie has three chances of winning the game; for example he could win by throwing 5 then 6 then 4. Jennifer has only one chance of winning the game if she throws 6 then 2 then 4.

DP