


Name: _____

November 25	5-a-day	Higher																
Work out 4^0	Work out 4^{-2}																	
Ashley takes two cubes out of a bag, with replacement. There are 5 red, 3 blue and 2 green cubes. What is the probability he picks two cubes the same colour?																		
<table border="1"><thead><tr><th data-bbox="172 969 363 1048">Expression</th><th data-bbox="363 969 496 1048">Length</th><th data-bbox="496 969 628 1048">Area</th><th data-bbox="628 969 767 1048">Volume</th></tr></thead><tbody><tr><td data-bbox="172 1048 363 1099">$x + y + z$</td><td data-bbox="363 1048 496 1099"></td><td data-bbox="496 1048 628 1099"></td><td data-bbox="628 1048 767 1099"></td></tr><tr><td data-bbox="172 1099 363 1151">xyz</td><td data-bbox="363 1099 496 1151"></td><td data-bbox="496 1099 628 1151"></td><td data-bbox="628 1099 767 1151"></td></tr><tr><td data-bbox="172 1151 363 1202">$xy + yz + xz$</td><td data-bbox="363 1151 496 1202"></td><td data-bbox="496 1151 628 1202"></td><td data-bbox="628 1151 767 1202"></td></tr></tbody></table>	Expression	Length	Area	Volume	$x + y + z$				xyz				$xy + yz + xz$					
Expression	Length	Area	Volume															
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xyz																		
$xy + yz + xz$																		
D is inversely proportional to P. Sketch this graph.																		
Solve $\frac{2x - 4}{5} + \frac{x + 11}{2} = 2$																		