Estimating Calculations

Question	Values Rounded to 1 sf			Calculation	Estimated Answer	Overestimate or Underestimate?	Actual Answer
$3.3 \times 2194 \times 1.2$	3.3	2194	1.2			*Underestimate*	8688.24
	3	2000	1				
$\dfrac{17.8 + 67.3}{12.29}$	17.8	67.3	12.29	$\dfrac{20 + 70}{10}$		*Overestimate*	6.92
	20	70	10				
$\dfrac{47 \times 78.6}{0.53}$	47	78.6	0.53	$\dfrac{50 \times 80}{0.5}$			
$\dfrac{1.78^3}{62.1 + 43.3}$	1.78	62.1	43.3				
$\dfrac{\sqrt{103}}{0.98 \times 19}$	103	0.98	19				
$\dfrac{5.34 + 3.296}{0.195}$	5.34	3.296	0.195				
$\dfrac{(4.12 \times 0.53)^2}{\sqrt[3]{7.97}}$	4.12	0.53	7.97				