Upper and Lower Bounds Revision

(a)	(b)	(c)	(d)
Find the upper and lower bounds of 286 metres to the nearest metre. $UB = 286.5\ m$ $LB = 285.5\ m$	Find the upper and lower bounds of 21 cm to the nearest cm. $UB = 21.5\ cm$ $LB = 20.5\ cm$	Find the upper and lower bounds of 7.8 cm to 1 decimal place. $UB = 7.85\ cm$ $LB = 7.75\ cm$	Find the upper and lower bounds of 5.24 kg to 2 decimal places. $UB = 5.245\ kg$ $LB = 5.235\ kg$
(e)	**(f)**	**(g)**	**(h)**
Find the upper and lower bound of 80 cm to 1 significant figure. $UB = 85\ cm$ $LB = 75\ cm$	Find the upper and lower bound of 5.6 kg to 2 significant figures. $UB = 5.65\ kg$ $LB = 5.55\ kg$	A square has a side length of 4.1 cm to 1 decimal place. Find the lower bound of the perimeter of the square. $16.2\ cm$	A rectangle measures 10 cm by 15 cm, both to the nearest cm. Find the upper bound of the area of the rectangle. $162.75\ cm^2$
(i)	**(j)**	**(k)**	**(l)**
$a = b - c$ $c = 18$ correct to 2 significant figures. $b = 4.7$ correct to 1 decimal place. Find the upper and lower bounds of a. $UB = 13.85$ $LB = 12.75$	$p = \frac{q}{r}$ $q = 20$ correct to 1 significant figure. $r = 6.3$ correct to 1 decimal place. Find the lower bound of p to 3 significant figures. 2.36	$c = \frac{d - e}{f}$ $d = 46, e = 8.5, f = 15,$ all correct to 2 significant figures. Find the upper bound of c to 2 decimal places. 2.62	$x = \frac{3a}{g - b}$ $a = 28, b = 12, g = 18,$ all correct to 2 significant figures. Find the lower bound of x to 3 significant figures. 11.8