

Upper and Lower Bounds *ramp up*

ANSWERS

a $x = 6.4$ to 1 decimal place. Find the lower bound of x . 6.35 a lower bound	b $x = 3200$ to 2 significant figures. Find the upper bound of x . 3250 an upper bound (2 sf)	c $a = 7, b = 4$, each to 1 sf. Find the upper bound of $a + b$. 12 upper bound of a sum	d $a = 8, b = 5$, each to 1 sf. Find the lower bound of ab . 33.75 lower bound of a product
e $a = 9, b = 3$, each to 1 sf. Find the upper bound of $a - b$. 7 subtracting (upper minus lower)	f $a = 9, b = 3$, each to 1 sf. Find the upper bound of $\frac{a}{b}$. 3.8 dividing (upper over lower)	g $a = 7, b = 2$, each to 1 sf. Find the lower bound of $\frac{a}{b}$. 2.6 dividing (lower over upper)	h $x = 6$ to 1 sf. Find the lower bound of x^2 . 30.25 a power
i $a = 12$ to 2 sf and $b = 0.6$ to 1 sf. Find the upper bound of ab . 8.125 different degrees of accuracy	j $x = 4.7$, truncated to 1 dp. Find the upper bound of $2x$. 9.6 bounds of a truncated value	k Each number is to 1 sf. Find the upper bound of $\frac{9-3}{4}$. 2 choosing each bound in a fraction	l x has bounds 4.36 and 4.44. Write x to a suitable degree of accuracy. 4.4 (1 dp) a suitable degree of accuracy

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