

Upper and Lower Bounds *ramp up*

a $x = 4$ to 1 sf. Find the upper bound of $10 - x$. _____	b $x = 0.5$ to 1 dp. Find the lower bound of x^2 . _____	c $a = 3.4$ to 1 dp. Write the error interval for $2a$. _____	d $a = 2.3$, truncated to 1 dp, and $b = 4$ to 1 sf. Find the lower bound of ab . _____
e $x = -3$ to 1 sf. Find the upper bound of x^2 . _____	f $x^2 = 20$ to the nearest 10 and x is positive. Find the upper bound of x . _____	g Each number is to 1 sf. Find the lower bound of $\frac{8-2}{6-3}$. _____	h $x = 2$ and $y = 4$ to 1 sf. Find the upper bound of $\frac{1}{x} - \frac{1}{y}$. _____
i $x = 4$ and $y = 2$, each to 1 sf. Find the upper bound of $\frac{x}{x+y}$. _____	j $a = 6$ to 1 sf and b is to 1 dp. The upper bound of $a + b$ is 9.85. Find b . _____	k $4x$ has bounds 18 and 22. How was x rounded? _____	l $x = 6$ to 1 sf. Find the upper bound of $x^2 - 4x$. _____

The Maths Habit

Upper and Lower Bounds *ramp up*

a $x = 4$ to 1 sf. Find the upper bound of $10 - x$. _____	b $x = 0.5$ to 1 dp. Find the lower bound of x^2 . _____	c $a = 3.4$ to 1 dp. Write the error interval for $2a$. _____	d $a = 2.3$, truncated to 1 dp, and $b = 4$ to 1 sf. Find the lower bound of ab . _____
e $x = -3$ to 1 sf. Find the upper bound of x^2 . _____	f $x^2 = 20$ to the nearest 10 and x is positive. Find the upper bound of x . _____	g Each number is to 1 sf. Find the lower bound of $\frac{8-2}{6-3}$. _____	h $x = 2$ and $y = 4$ to 1 sf. Find the upper bound of $\frac{1}{x} - \frac{1}{y}$. _____
i $x = 4$ and $y = 2$, each to 1 sf. Find the upper bound of $\frac{x}{x+y}$. _____	j $a = 6$ to 1 sf and b is to 1 dp. The upper bound of $a + b$ is 9.85. Find b . _____	k $4x$ has bounds 18 and 22. How was x rounded? _____	l $x = 6$ to 1 sf. Find the upper bound of $x^2 - 4x$. _____

The Maths Habit