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Clock Puzzle Activity Sheet

Using the Geogebra applet, fill in the below table.

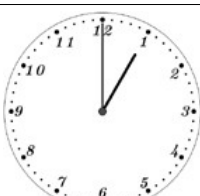| Time	Angle made by Hour hand H	Angle made by Minute hand M	$\dfrac{M}{H}$
	$0°$	$0°$	---------------

Write down the relationship between the angles made by the two hands of a clock (in terms of H and M) in the below box.

Both the hands of a clock are one over the other for the first time after 12 o'clock.

Time	Angle made by Hour hand H	Angle made by Minute hand M	Relationship between the angles H and M. $12H = M$
	x		$12x =$

Find the angle x.
Calculate the number of minutes that have elapsed after 12 o'clock.

What will be the number of minutes that would have elapsed when both the hands of a clock are one over the other for the second time after 12 o'clock.