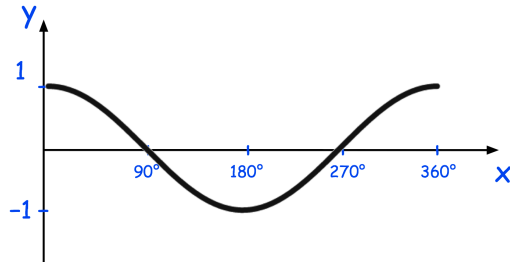
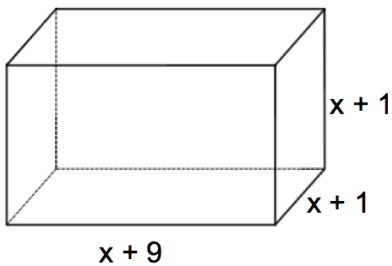




Shown is  $y = \cos x$  for  $0^\circ \leq x \leq 360^\circ$



One solution of  $\cos x = 0.97$  is  
 $x = 14^\circ$   
 Find another solution to  $\cos x = 0.97$



Form an expression for the volume of the cuboid.  
 Expand and simplify the expression.

The distance between  $(-7, a)$  and  $(5, 1)$  is 13 units.

Find two possible values for  $a$ .

The numbers  $m$  and  $n$  are irrational and are not the same.

$m + n$  is rational

Write down possible values for  $m$  and  $n$

The ratio of Isaac's age to Max's age is  $x:y$

Five years ago, the ratio of their ages was  $1:7$

In six years time, the ratio of their ages will be  $3:10$

Express  $x:y$  in its lowest terms