

1. The formula for converting kilometres (k) to miles (m) is  $k = m \times \frac{8}{5}$   
 Convert the following mileages to kilometres:  
 a) 5 miles    b) 12 miles    c) 20 miles    d) 55 miles    e) 62.5 miles.

2. The area of a rectangle is expressed by this formula  $A = ab$   
 Complete the table:

a (cm)	b (cm)	A (cm <sup>2</sup> )
4	6	
8	4	
	3	36
9	5	
6		90

3. In each of these formulae, calculate the value of y when x = 6 and of x when y = 6

Formula	X=6	Y=6
$Y = x + 2$		
$Y = 2x - 4$		
$Y = 3x + 3$		
$2y = x + 8$		

4. Which number do the 2 shapes represent?

Each shape stands for a number.

$\square + \bigcirc + \bigcirc + \square = 80$   
 $\bigcirc + \square = 56$

Challenge: create a puzzle for your family to solve.