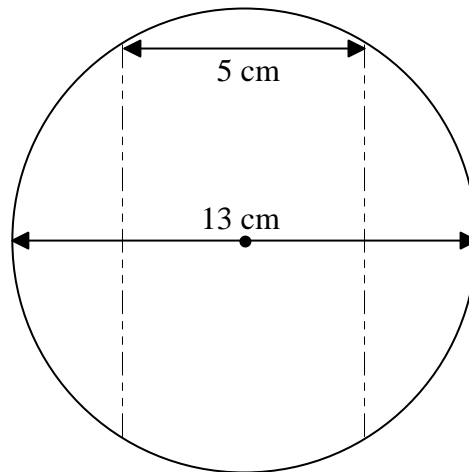# Neurological Nasties XXXIII

www.mathxtc.com

1.  Margaret Mathsislife left $90 000 to be divided equally among two fathers and two sons and each was to receive $30 000. How was this possible ?

2.  A ball 13 cm in diameter has a 5 cm hole drilled through the centre. How deep is the hole ?



3.  Find a *simple* method of solving x and y in the following equations:

$$6751x + 3249y = 26751$$

$$3249x + 6751y = 23249$$