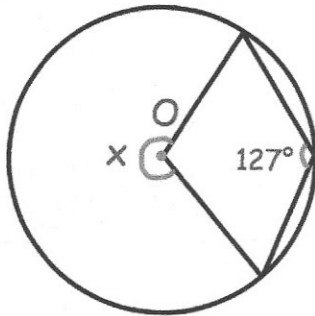




Work out the value of  $2500^3$   
Give your answer in standard form.

$$15625000000$$

$$1.5625 \times 10^{10}$$



Find x

$$254^\circ$$

Megan has £8000 to invest for 5 years.

Nationbank: 3% interest for the first year and then 0.5% compound interest each year after.

Moneyworld: 1% compound interest each year  
 $8000 \times 1.01^5 = 8408.08$

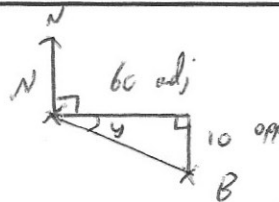
Which of these accounts should Megan choose?

Nationbank:  $8000 \times 1.03 = 8240$   
 $8240 \times 1.005^4 = 8406.04$

Moneyworld.

Helicopter A leaves Newtown and flies 60 miles east and then 10 miles south and arrives at Billington.

What is the bearing of Billington from Newtown?



$$\tan y = \frac{10}{60}$$

$$y = 9.46^\circ$$

$$099.46^\circ$$

Work out  $81^{-\frac{3}{4}}$

$$\sqrt[4]{81} = 3$$

$$3^3 = 27$$

$$\frac{1}{27}$$