Maths



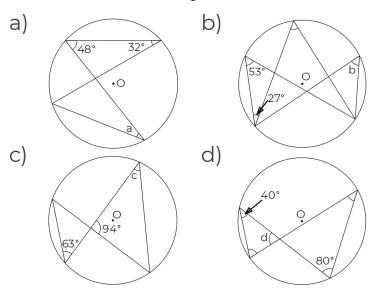
1. Work out the size of each angle marked with a letter.

Give a reason for your answers.

a) b) •0 C) d)

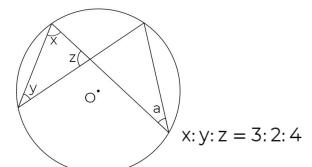
2. Work out the size of each angle marked with a letter.

Give a reason for your answers.

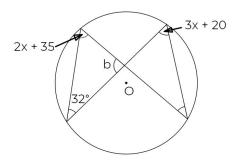




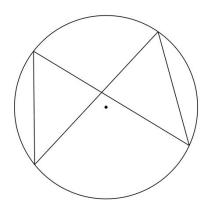
3. a) Work out the size of angle a.



b) Work out the size of angle b.



4. Prove that angles in the same segment are equal.



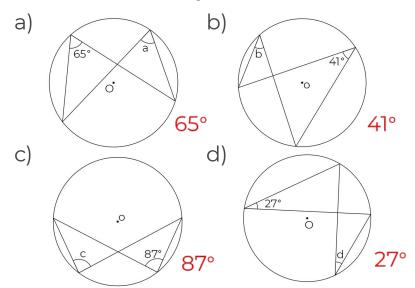


Answers



1. Work out the size of each angle marked with a letter.

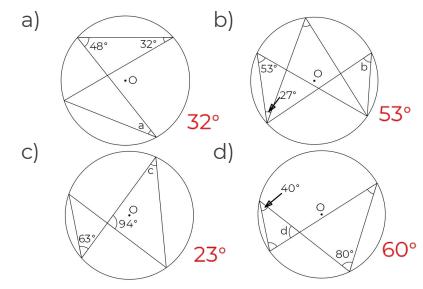
Give a reason for your answers.



Angles in the same segment are equal.

2. Work out the size of each angle marked with a letter.

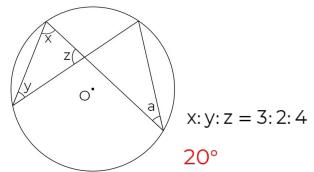
Give a reason for your answers.



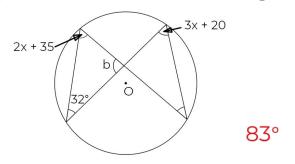
Angles in the same segment are equal.



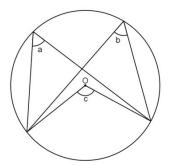
3. a) Work out the size of angle a.



b) Work out the size of angle b.



4. Prove that angles in the same segment are equal.



angle a and angle b are subtended from the same chord angle c is subtended from the same chord at the centre angle $c = 2 \times angle$ a (angle at the centre is twice the angle at the circumference)

angle c = 2 x angle b (angle at the centre is twice the angle at the circumference)

2 x angle a = 2 x angle b angle a = angle b

