

# K Education Centre

## KS3 Year 9 Mathematics

Angles and venn diagrams

Assignment Questions

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## Angles and venn diagrams

Q1 : A regular polygon has 12 sides. What is the size of interior angles?

Q2: A Pentagon has interior angles in the ratio of 1:2:3:4:5 . Work out the smallest angle.

Q3: How many sides does a regular polygon have each exterior angle is .

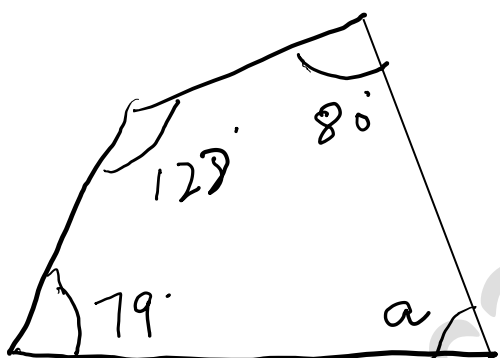
a)  $60^\circ$  b)  $24^\circ$

Q4: How many sides does a regular polygon have if each interior angle is :

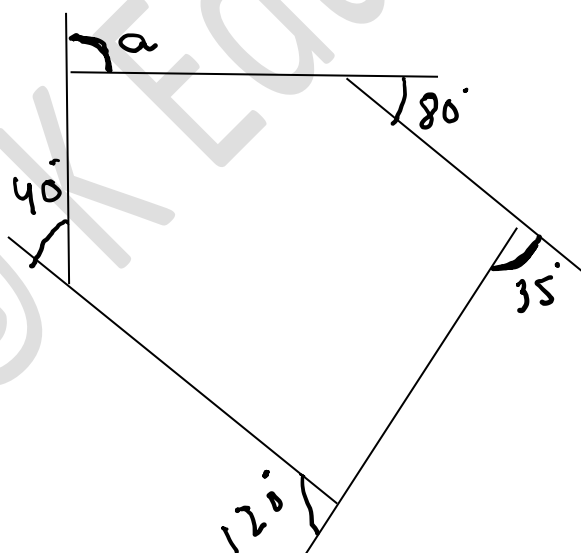
a)  $156^\circ$  b)  $60^\circ$

Q5: Find the missing angles .

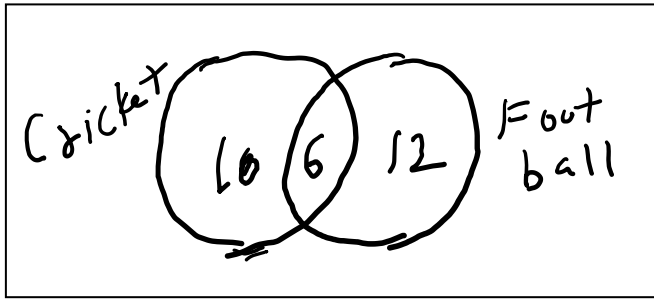
a)



b)



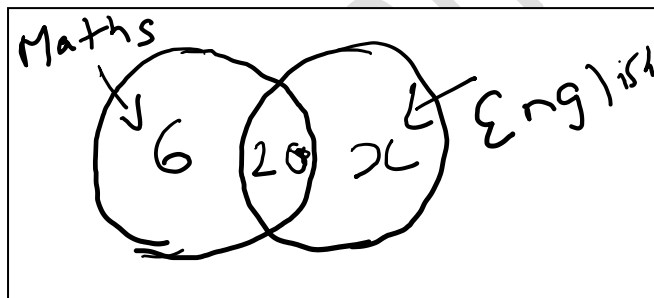
Q6:



On the basis of above venn diagram answer the following:

- How many players played both cricket and football?
- How many players play football alone?
- How many players play cricket alone?
- How many people play at least one of the two sports?

Q7 : In venn diagram the following are subject choices of 60 students.



- Work out the value of  $x$ ?
- How many students study Maths?
- How many students study English only?