

21st April

Higher 5-a-day



Corbettmaths

What is the sum of the interior angles of a 20-sided polygon?

$$(n-2) \times 180$$
$$18 \times 180$$
$$3240^\circ$$

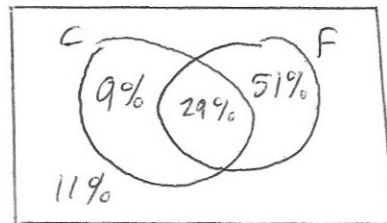
A group of friends have been surveyed.

38% have been to Canada.

80% have been to France.

11% have been to neither Canada or France.

Find the percentage of the group that have been to both Canada and France.



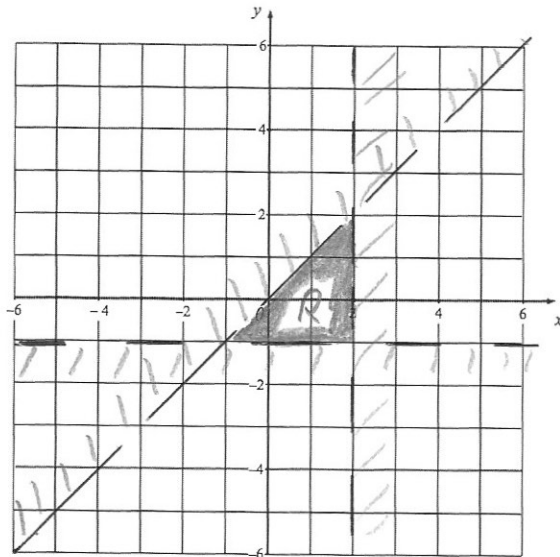
29%

Write down the Sine Rule

$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

Write down the Cosine Rule

$$a^2 = b^2 + c^2 - 2bc \cos A$$



On the grid, label the region that satisfies all three of these inequalities

$$x < 2$$

$$y > -1$$

$$y < x$$