

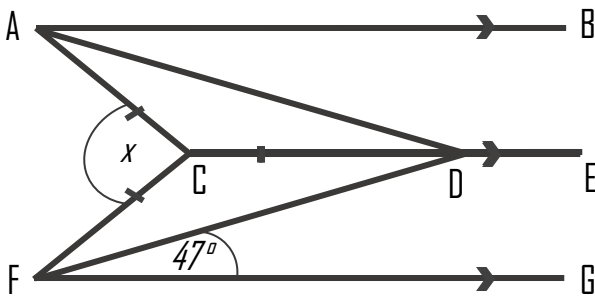
Four numbers have a median of 6, a mean of 6 and a range of 1. The numbers are not integers. What could they be?

IN A COMPANY, THE RATIO OF THE NUMBER OF MEN TO THE NUMBER OF WOMEN IS 11 : 9

20% OF THE WOMEN ARE UNDER THE AGE OF 30
80% OF THE MEN ARE OVER THE AGE OF 30

WHAT PERCENTAGE OF PEOPLE IN THE COMPANY ARE OVER THE AGE OF 30?

AB, CDE and FG are parallel. Work out the size of angle x .



There are orange, yellow and blue sweets in a box. The ratio of the number of orange, yellow and blue sweets in the box is 3 : 7 : 4

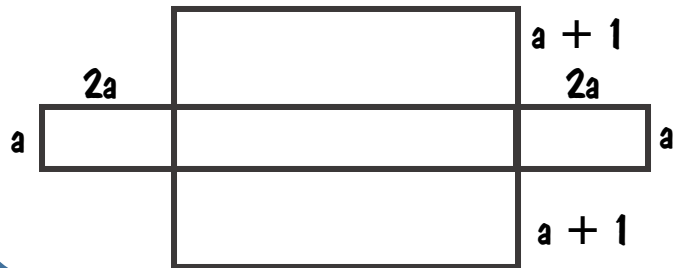
What is the probability of picking a yellow sweet?

A drink is made by mixing coffee, sugar syrup and cream in the ratio- 2:4:1

What fraction is equivalent to coffee?

$$\frac{16}{54} \quad \frac{12}{26} \quad \frac{20}{35} \quad \frac{2}{6}$$

Shade an area represented by: $a^2 + 2a$
 $a + 2$



Write the number of left handed girls to boys as a ratio in its simplest form.

	Boys	Girls
Left	59	48
Right	21	34

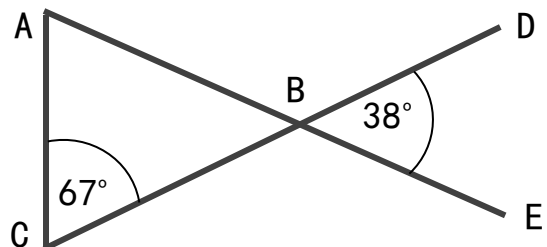
Expand:

a) $(3a + 2)(3a - 2)$

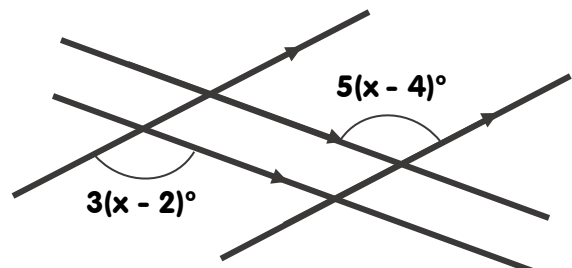
Factorise:

b) $x^2 - 81$

Prove that triangle ABC is a scalene triangle.



Four straight lines are shown. Work out the value of x



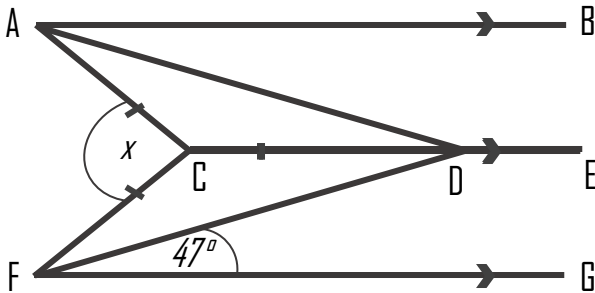
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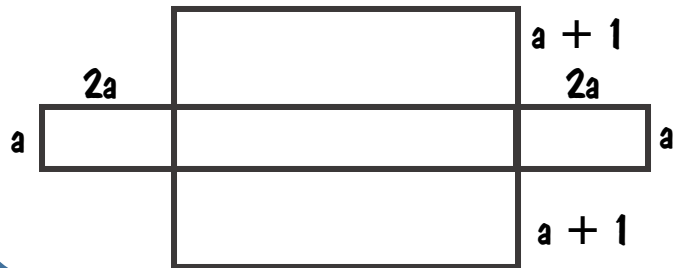
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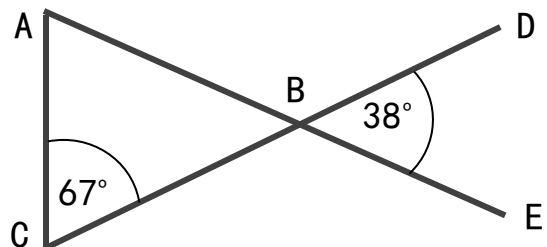
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