

Four numbers have a median of 4, a mean of 4 and a range of 3. The numbers are not integers. What could they be?

Shade an area represented by: $2a^2 + 4a$
 $a + 3$



IN A COMPANY, THE RATIO OF THE NUMBER OF MEN TO THE NUMBER OF WOMEN IS 1 : 3

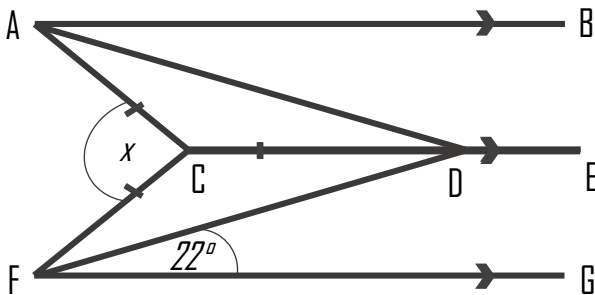
40% OF THE WOMEN ARE UNDER THE AGE OF 30
40% OF THE MEN ARE OVER THE AGE OF 30

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

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

	Boys	Girls
Left	24	33
Right	41	40

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



Expand:

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

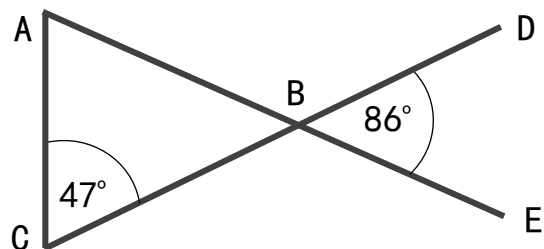
Factorise:

b) $4x^2 - 25$

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 2 : 5 : 4

What is the probability of picking two blue sweets one after another? Write as a fraction in its simplest form.

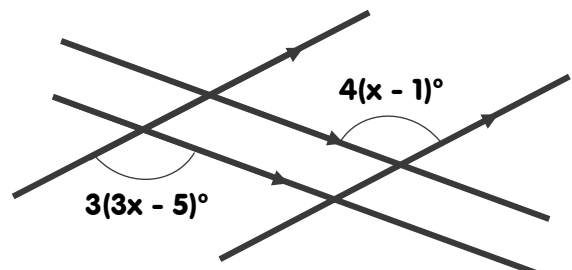
Prove that triangle ABC is an isosceles triangle.



A drink is made by mixing orange, pineapple and lemon in the ratio- 4:3:1
What fraction is not equivalent to pineapple?

- $\frac{6}{16}$ $\frac{9}{24}$ $\frac{12}{26}$ $\frac{15}{40}$

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



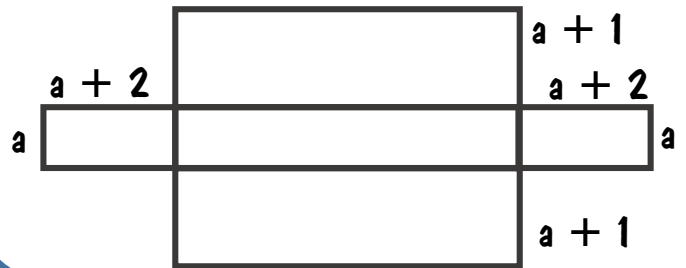
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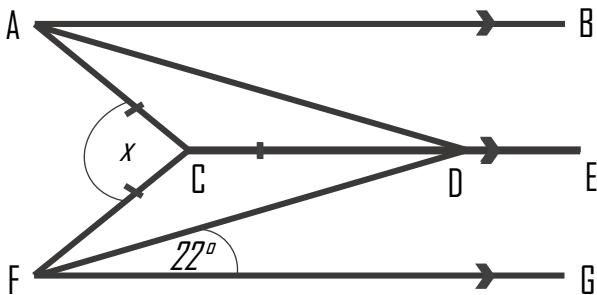
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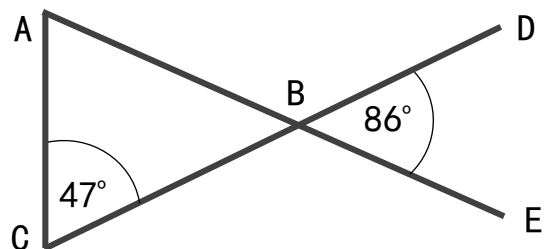
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