

Four numbers have a median of 6, a mean of 7 and a range of 7. 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 3 : 7

60% OF THE WOMEN ARE UNDER THE AGE OF 30
20% OF THE MEN ARE OVER THE AGE OF 30

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

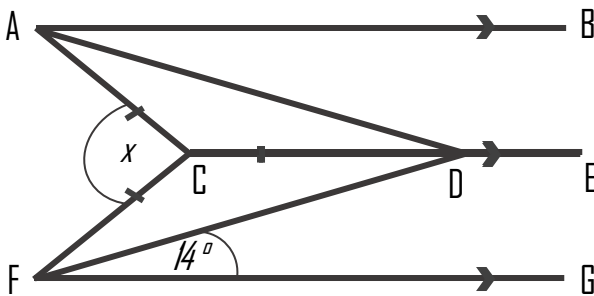
Shade an area represented by: $2a^2 + 6a + 4$
 $a + 2$



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

	Boys	Girls
Left	24	32
Right	45	36

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



Expand:

a) $(2a + 4)(2a - 4)$

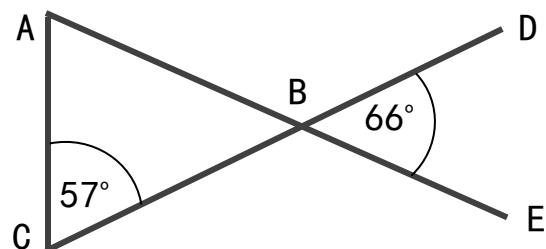
Factorise:

b) $x^2 - 64$

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 a blue sweet?

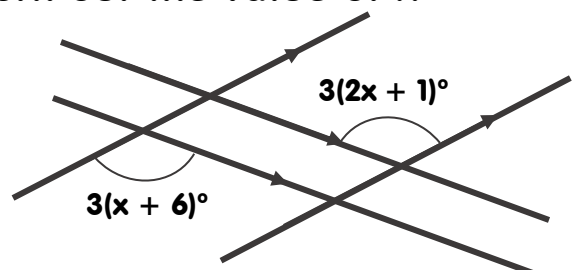
Prove that triangle ABC is an isosceles triangle.



A drink is made by mixing water, squash and syrup in the ratio- 5:2:1
What fraction is not equivalent to squash?

$\frac{5}{20}$ $\frac{6}{24}$ $\frac{7}{26}$ $\frac{2}{8}$

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



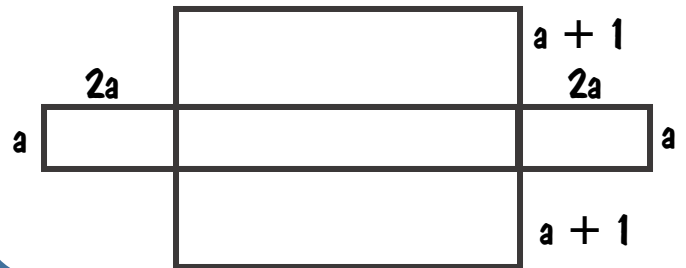
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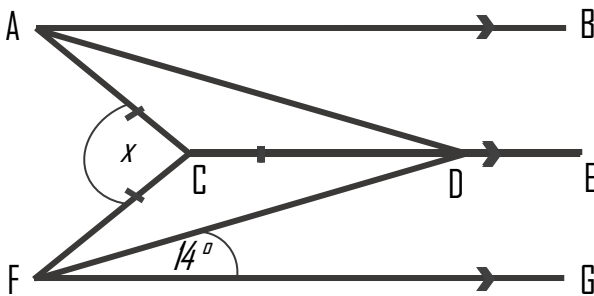
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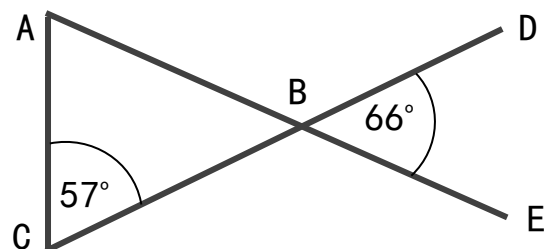
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