Four numbers have a median of 11, a mean Of 11 and a range of 8. What could they be?

Shade an area represented by: 2(ab + cd)

a

b

c   c

d   d

b

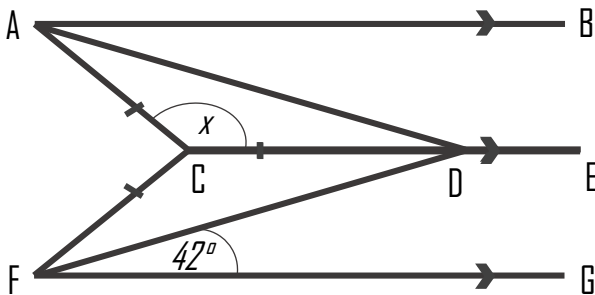IN A COMPANY, THE RATIO OF THE NUMBER OF MEN TO THE NUMBER OF WOMEN IS 3 : 2

10% OF THE WOMEN ARE UNDER THE AGE OF 25
40% OF THE MEN ARE UNDER THE AGE OF 25

WHAT PERCENTAGE OF PEOPLE IN THE COMPANY ARE UNDER THE AGE OF 25?

Write the number of left handed girls as a fraction of the total students in its simplest form.

	Boys	Girls
Left	8	18
Right	30	20

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

A   B

x

C   D   E

$42°$

F   G
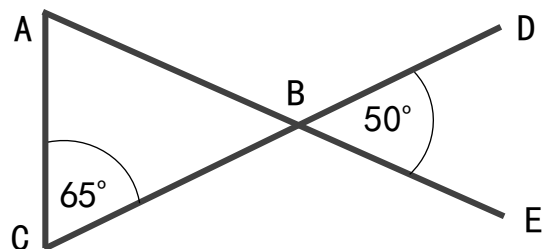
Expand:

a) **(2a - 2)(5a - 3)**

Factorise:

b) **$x^2 + 9x - 22$**

There are only red pens and green pens in a box. The ratio of the number of red pens in the box to the number of green pens in the box is 7 : 1

What percentage of the pens are red?

Prove that triangle ABC is an isosceles triangle.

A   D
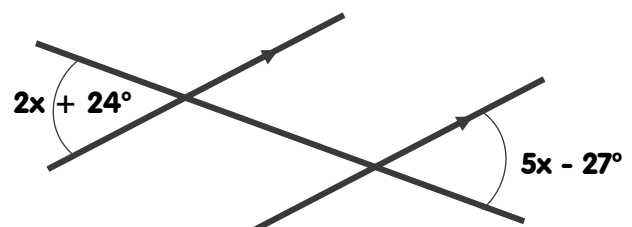
B

$50°$

$65°$

E

C

A smoothie recipe is made by mixing blueberries, orange and spinach in the ratio- 3:6:1

What fraction is orange?

$\frac{3}{10}$ $\frac{3}{9}$ $\frac{3}{5}$ $\frac{3}{10}$

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

$2x + 24°$

$5x - 27°$

ACCESS MATHS

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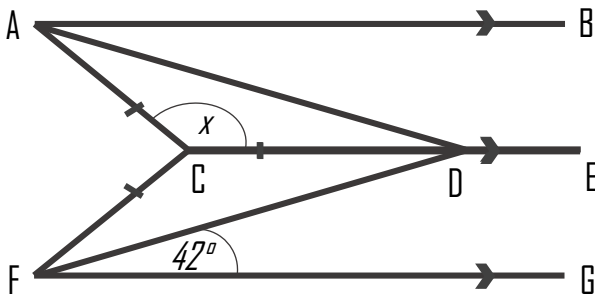IN A COMPANY, THE RATIO OF THE NUMBER OF MEN TO THE NUMBER OF WOMEN IS 3 : 2

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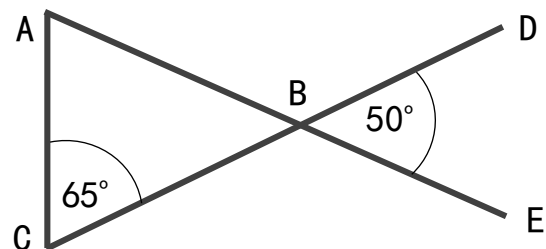
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