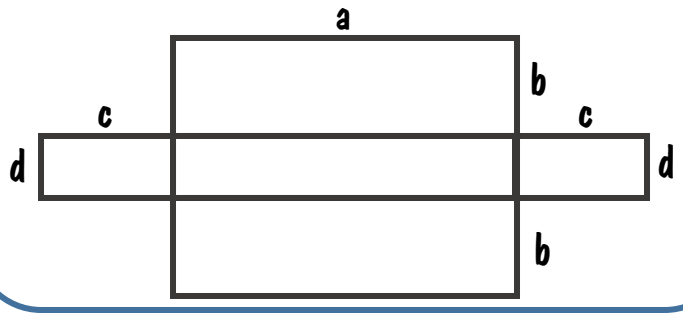
Top Ten Topics

Four number have a median of 6, a mean of 7 and a range of 8. What could they be?

Shade an area represented by the expression *ab*

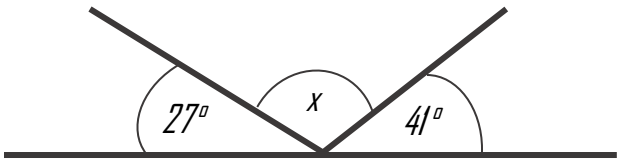


JON HAS 78P
NAT HAS £3.52
NAT GIVES JON SOME MONEY SO THAT THEY BOTH HAVE THE SAME AMOUNT.
HOW MUCH DOES NAT GIVE JON?

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

	Boys	Girls
Left	3	8
Right	12	20

AB is a straight line. Work out the size of angle *x*.



Expand:

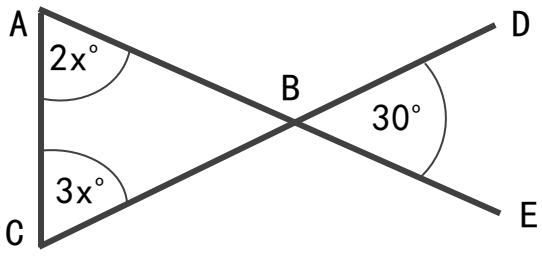
a) (3x + 2)(x + 2)

Factorise:

b) $x^2 + 9x + 14$

The amount of red beads to blue beads on a necklace are in the ratio 3:12. What is the percentage of red beads?

ABE and CBD are straight lines. Prove that one angle in ABC is **not** acute.

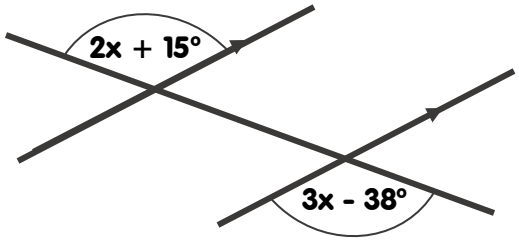


A drink is mixed in the ratio lemonade : orange : cranberry = 6:3:2

What fraction is orange?

$\frac{3}{8}$ $\frac{2}{11}$ $\frac{3}{11}$ $\frac{6}{11}$

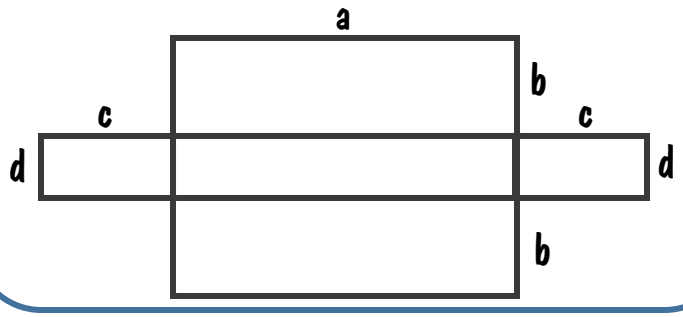
Three straight lines are shown. Work out the value of x



Top Ten Topics

Four number have a median of 6, a mean of 7 and a range of 8. What could they be?

Shade an area represented by the expression *ab*

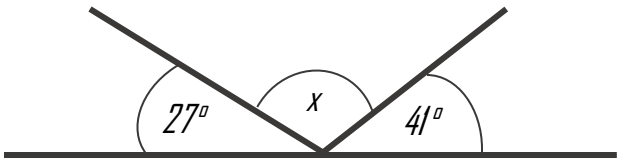


JON HAS 78P
NAT HAS £3.52
NAT GIVES JON SOME MONEY SO THAT THEY BOTH HAVE THE SAME AMOUNT.
HOW MUCH DOES NAT GIVE JON?

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

	Boys	Girls
Left	3	8
Right	12	20

AB is a straight line. Work out the size of angle *x*.



Expand:

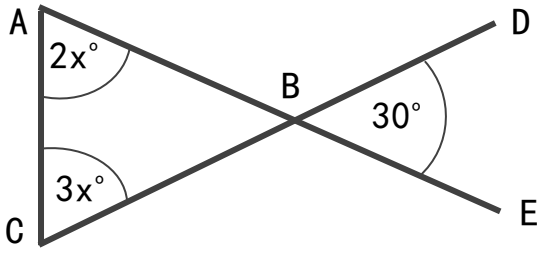
a) (3x + 2)(x + 2)

Factorise:

b) $x^2 + 9x + 14$

The amount of red beads to blue beads on a necklace are in the ratio 3:12. What is the percentage of red beads?

ABE and CBD are straight lines. Prove that one angle in ABC is **not** acute.



A drink is mixed in the ratio lemonade : orange : cranberry = 6:3:2

What fraction is orange?

$\frac{3}{8}$ $\frac{2}{11}$ $\frac{3}{11}$ $\frac{6}{11}$

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