

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

Shade an area represented by the expression ad



FRED HAS £1.48

AMI HAS £3.42

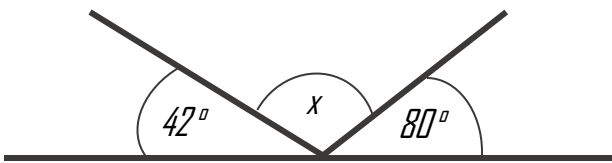
FRED GIVES AMI SOME MONEY SO THAT THEY BOTH HAVE THE SAME AMOUNT.

HOW MUCH DOES FRED GIVE AMI?

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

	Boys	Girls
Left	9	5
Right	15	20

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



Expand:

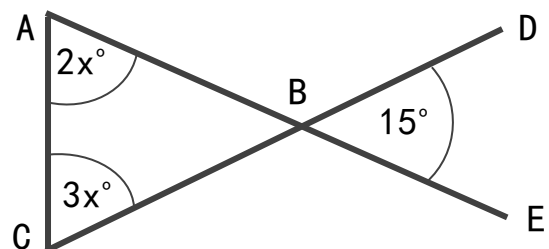
a) $(2x + 2)(x - 2)$

Factorise:

b) $x^2 + 10x + 21$

The amount of white beads to black beads on a necklace are in the ratio 7:21. What is the percentage of white beads?

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

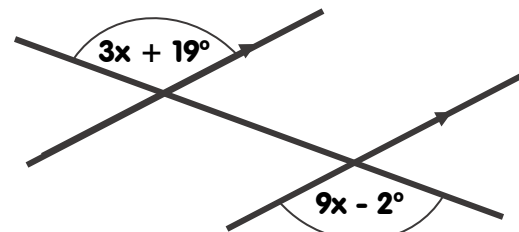


A drink is mixed in the ratio water : apple juice : pear juice = 3:7:4

What fraction is apple juice?

$$\frac{7}{10} \quad \frac{1}{2} \quad \frac{3}{14} \quad \frac{4}{14}$$

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



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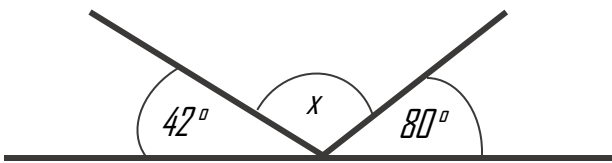
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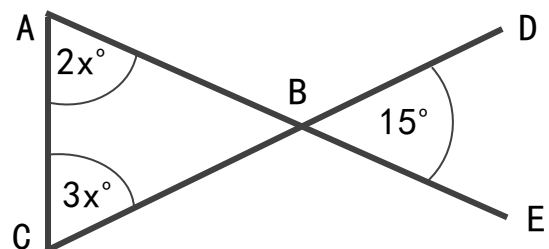
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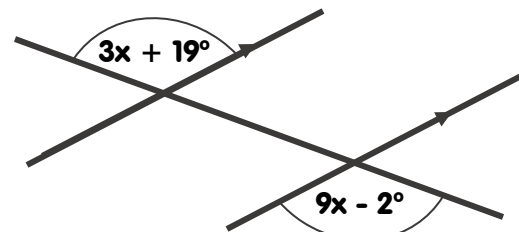
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