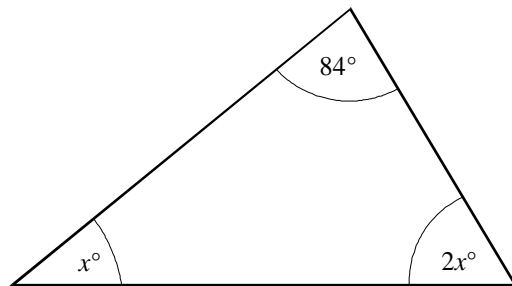


1. (a) Expand $3(y - 4)$
(b) Simplify the expression

$$2c + 6d + 4c - 8c$$

- (c) Factorise $x^2 + 5x$
(d) The triangle has angles x° , $2x^\circ$ and 84° as shown.
Find the value of x .



Not drawn
accurately

2. Work out the following

(a) $\frac{2}{5}$ of 45

(b) $\frac{2}{5} \times \frac{1}{4}$

(c) $\frac{2}{5} - \frac{1}{4}$

- (d) John's dog eats $\frac{2}{3}$ of a tin of dog food each day.

What is the least number of tins needed for 7 days?

3. Find an approximate value of $\frac{48.8 \times 5.22}{(10.13)^2}$

You **must** show all your working.

4. Solve the following equations

(a) $\frac{z+4}{2} = 11$

(b) $2x - 3 = 5x + 6$