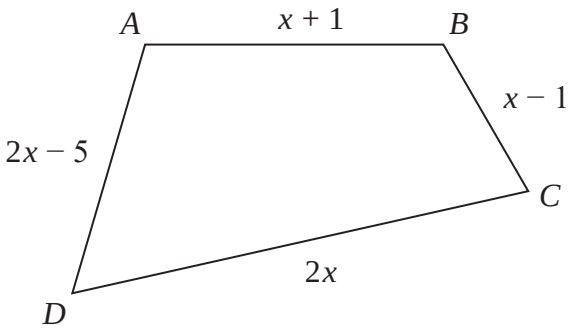
1 Here is a quadrilateral *ABCD*.



All the measurements are in centimetres.

The perimeter of *ABCD* is 52 centimetres.

Work out the length of *DC*.

Perimeter : length AB + length BC + length CD + length DA

Perimeter ABCD $= (x+1) + (x-1) + (2x) + (2x-5)$ (1)

$52 = 6x - 5$ (1)

$6x = 57$

$x = \frac{57}{6}$

$= 9.5$ (1)

$$\begin{array}{r} 9.5 \\ 6\overline{)57} \\ -54 \\ \hline 30 \\ -30 \\ \hline \end{array}$$

$DC = 2x$

$= 2(9.5)$

$= 19$ cm

19 (1) centimetres

(Total for Question 1 is 4 marks)