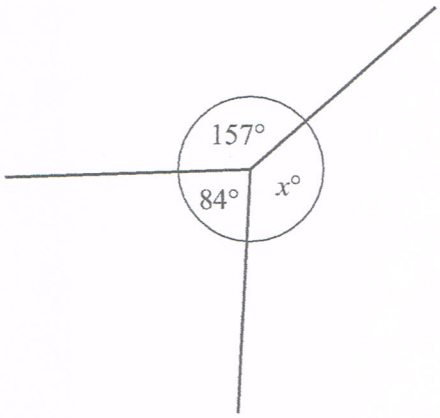
CIE-MATHS.ESY.ES

For Examiner's Use

1



NOT TO SCALE

Find the value of x.

$x = 360° - 157° - 84°$
$= 119°$

Answer $x =$ 119 [1]

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2 **(a)** Write down the smallest number which is a multiple of both 8 and 12.

8 → 2, 4 → 2, 2 $\quad$ 12 → 2, 6 → 2, 3

$8 = 2^3$ $\quad$ $12 = 2^2 \times 3$ $\quad$ LCM $= 2^3 \times 3 = 24$

Answer(a) 24 [1]

(b) Write down **all** the other multiples of both 8 and 12 which are less than 100.

$24 \times 1 = 24$
$24 \times 2 = 48$
$24 \times 3 = 72$
$24 \times 4 = 96$

Answer(b) 48, 72, 96 [1]

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3 Factorise **completely** $6mp - 9pq$.

$= 3p(2m - 3q)$

Answer $3p(2m - 3q)$ [2]

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