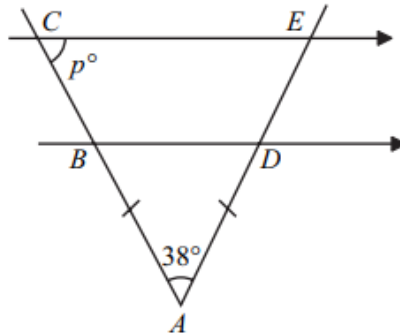


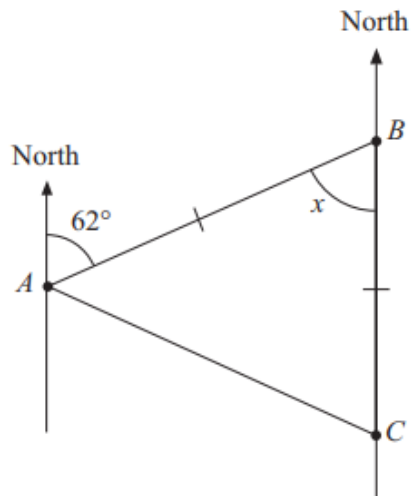
Interleaf 12

- 1) Find the sum of the interior angles in a 15-sided polygon
- 2) Find the angle labelled p .

Give a reason for each stage of your working

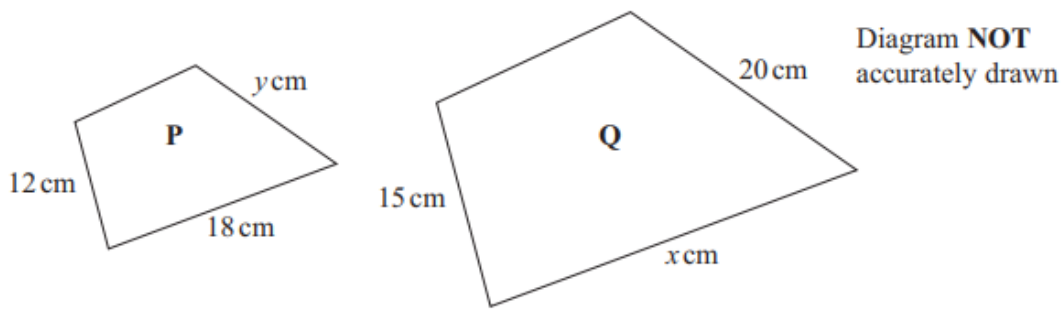


- 3) The probability that I will get run over tomorrow is 0.02%
Find the probability that I will not get run over tomorrow.
- 4) The bearing of B from A is 62°



- a) Find the angle x and state the reason why
- b) Find the bearing of A from C

- 5) P and Q are similar



a) Find x

b) Find y

- 6) A regular polygon has an interior angle of 120° . How many sides does it have?

- 7) Find the gradient of the line joining $(3, -1)$ and $(5, 7)$

- 8) I spend 30% of my savings on a new car and have £56,000 left.

How much did the car cost?

Answers 1) 2340 2) 71 (isosceles, angles in a triangle add up to 180 and corresponding) 3) 99.98%

4a) 62 5a) 22.5 b) 16 6) 6 7) 4 8) £24000