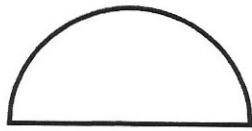


2nd January

Foundation Plus 5-a-day



Corbettmaths



12cm

$$C = \pi \times 12$$

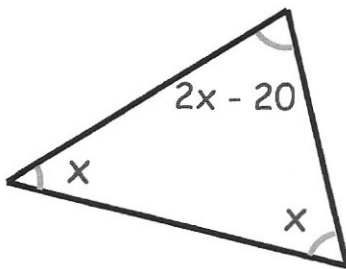
$$C = 12\pi$$

$$12\pi \div 2 = 6\pi$$

Calculate the perimeter of this semi-circle.

Leave your answer in terms of π

$$6\pi + 12 \text{ cm}$$



Not drawn accurately

Find the value of x

$$4x - 20 = 180$$

$$4x = 200$$

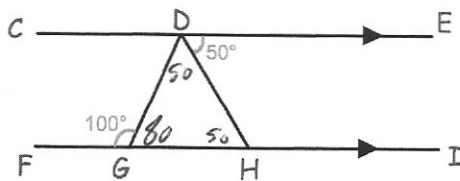
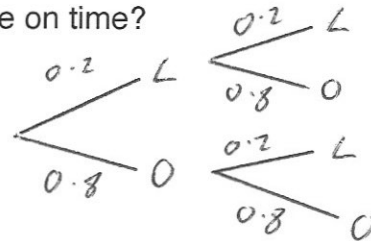
$$x = 50^\circ$$

The probability of a bus being late on any day is 0.2

James gets the bus on Monday and on Tuesday.

$$P(OO) = 0.8 \times 0.8 = 0.64$$

What is the probability that both buses are on time?



CE and FI are parallel lines.
Angle EDH = 50°
Angle DGF = 100°

Show, giving reasons, that triangle DGH is isosceles.

$\angle OGH = 80^\circ$ (angles on a straight line add to 180°)
 $\angle DGH = 50^\circ$ (alternate angles are equal)
 $\angle GDH = 50^\circ$ (angles in a triangle add to 180°)
 Since two angles equal, $\triangle DGH$ is isosceles

Write 50000 in standard form

$$5 \times 10^4$$

Write 0.0043 in standard form

$$4.3 \times 10^{-3}$$