

Calculate the surface area

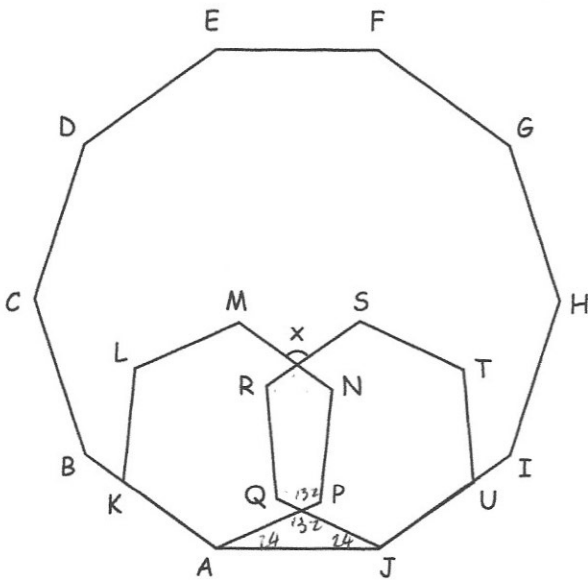
$$6 + 6 + 30 + 24 + 18 = 84m^2$$

Solve

$$x^2 + 3x - 40 = 0$$

$$(x + 8)(x - 5) = 0$$

$$x = -8 \text{ or } x = 5$$



ABCDEFGHJIJ is a regular decagon.

AKLMNP and JQRSTU are congruent, regular hexagons.

K is a point on AB and U is a point on IJ.

$$\angle KAJ = 144^\circ$$

Find x. $\angle KAP = 120^\circ$

$$720 - 120 - 120 - 120 - 120 - 132 = 108^\circ$$

A limited edition bag of flour contains 25% more than the standard bag. x The limited edition bag contains 650g of flour.

How much flour is in the standard bag?

$$125\% \text{ of } x = 650$$

$$1\% \text{ of } x = 5.2$$

$$100\% \text{ of } x = 520g$$