



Martin says 'There is a 30% chance of rain today.'

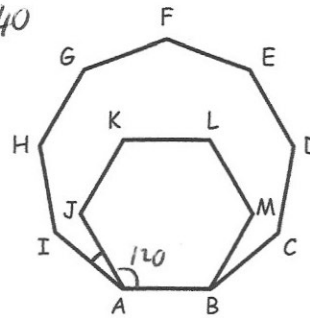
Tim says 'That means there is a 70% chance of it being sunny today.'  
Explain why Tim is not correct.

It may not rain but it  
may not be sunny

ABCDEFGHJI is a regular nonagon  $1260 \div 9 = 140$   
ABMLKJ is a regular hexagon.  $720 \div 6 = 120$

Find angle IAJ

$$140 - 120 = 20^\circ$$



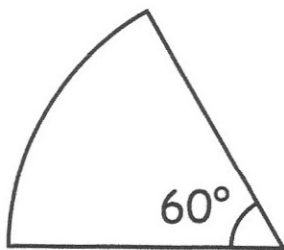
Work out

$$\frac{1}{6} \div 1\frac{5}{8}$$

$$\frac{1}{6} \div \frac{13}{8}$$

$$\frac{1}{6} \times \frac{8}{13} = \frac{8}{78}$$

$$\frac{4}{39}$$



24cm

Calculate the area of this sector.

$$\frac{60}{360} \times \pi \times 24^2$$

$$301.593 \text{ cm}^2$$

Nancy returns from holiday and changes her remaining euros into pounds at the Post Office.

The exchange rate is £1 = €1.09

The Post Office deduct commission of 3% and give Nancy £388

How many euros did Nancy return from holiday with?

$$97\% \text{ of } m = 388$$

$$1\% \text{ of } m = 4$$

$$m = £400$$

$$400 \times 1.09 = €436$$