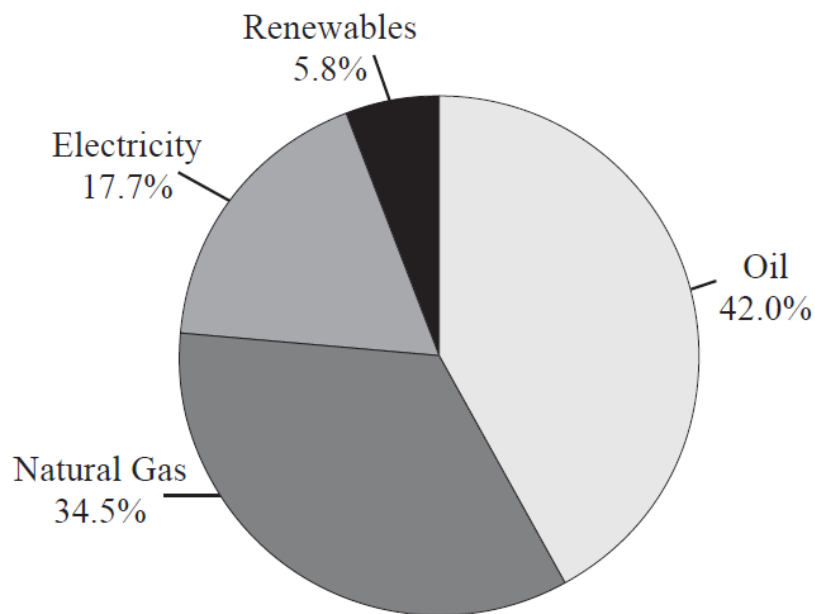


# m2 = 24 days to go!

4 This pie chart shows energy use by type of fuel.



(a) Which type of fuel is used most?

Answer \_\_\_\_\_ [1]

(b) Measure the angle for electricity.

Answer \_\_\_\_\_ ° [1]

(c) Sean thinks about  $\frac{3}{4}$  of energy use comes from oil and natural gas.

Explain why Sean is correct.

Answer \_\_\_\_\_  
\_\_\_\_\_ [1]

(d) Complete the statement below with a suitable number in the box.

The fraction  $\frac{\text{renewables}}{\text{electricity}}$  is about  $\frac{1}{\boxed{\phantom{000}}}$ . [1]

**18** Calculate

$$\frac{\sqrt{1.1 \times 4.4}}{(3.2 - 2.65)}$$

Answer \_\_\_\_\_ [2]

**27** Each player in a group of 15 players scored either 2 or  $x$  goals.

Number of goals	Frequency
2	10
$x$	5

The mean number of goals per player was 3

Calculate  $x$ .

Answer  $x =$  \_\_\_\_\_ [3]