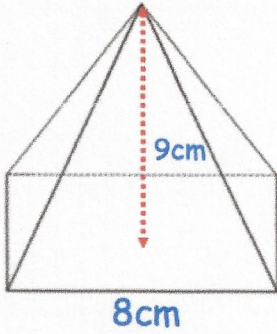


30th May



Corbettmaths



$$V = \frac{1}{3} Ah$$

$$V = \frac{1}{3} (48) \times 9$$

$$V = 144 \text{ cm}^3$$

Calculate the volume of the pyramid.

Every year the average wait time to be treated at Frome Accident and Emergency is recorded.

In 2017 patients waited 15% less time than in 2016.

In 2017, patients waited 34 minutes on average.

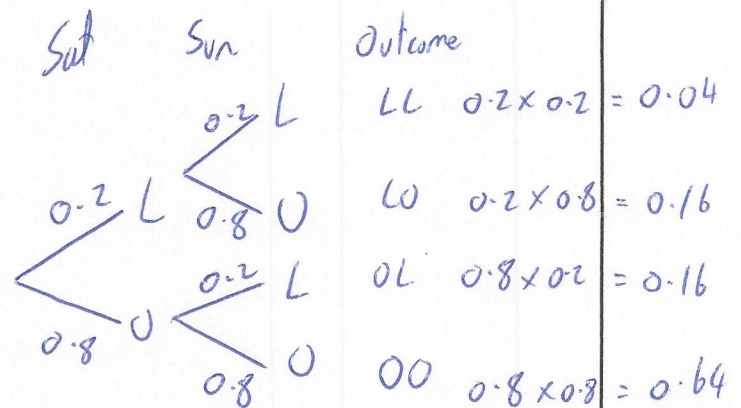
Work out the average wait time in 2016.

$$34 \div 0.85 = 40$$

The probability that a train arrives late is 0.2

James is travelling by train on Saturday and Sunday.

Show this information on a probability tree diagram.



What is the probability the train is late both days?

$$0.04$$

$$a = \begin{pmatrix} 6 \\ -4 \end{pmatrix} \quad b = \begin{pmatrix} -2 \\ 1 \end{pmatrix}$$

$$3b = \begin{pmatrix} -6 \\ 3 \end{pmatrix} \quad \begin{pmatrix} 6 \\ -4 \end{pmatrix}$$

Work out $3b - a$

$$\begin{pmatrix} -12 \\ 7 \end{pmatrix}$$