



Calculate the volume of the pyramid.

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

In 2019 patients waited 15% less time than in 2018.

In 2019, patients waited 34 minutes on average.

Work out the average wait time in 2018.

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?

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

Work out  $3\mathbf{b} - \mathbf{a}$