



There was 50 club members in June and 72 club members in October.

What was the percentage increase?

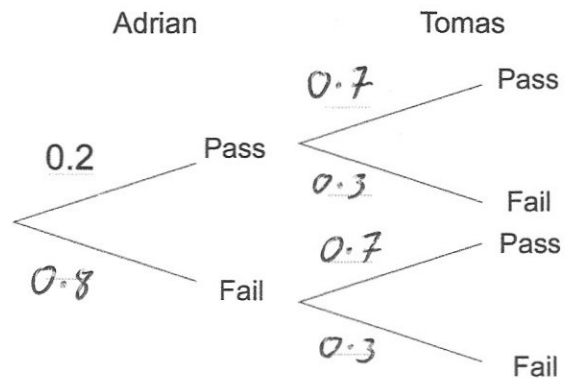
$$\frac{22}{50} \times 100 = 44\%$$

Adrian and Tomas sit their music exams.

The probability that Adrian passes is 0.2

The probability that Tomas fails is 0.3

Complete the tree diagram.



Find the probability that both boys pass.

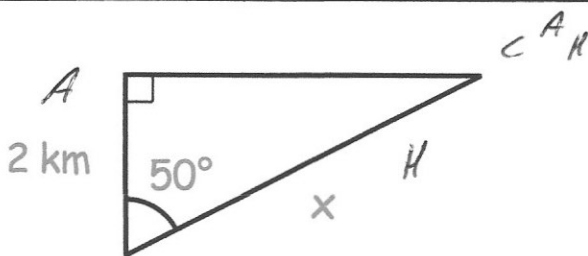
$$0.2 \times 0.7 = 0.14$$

The n th term of a sequence is $(n + 1)(n + 2)$ 6, 12, 20, 30, 42,
56, 72, 90

The n th term of another sequence is $2n^2 + 4$ 6, 12, 22, 36, 54,
76,

Find any number, less than 100, that is in both sequences

6 & 12



Find x

$$\frac{2}{\cos 50}$$

$$3.11 \text{ km}$$