Name: _____ 5-a-day Foundation Plus

**30th January**

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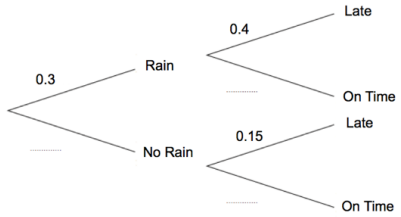



In a small village, one bus arrives a day.
The probability of rain in the village is 0.3.
If it rains, the probability of a bus being late is 0.4.
If it does not rain, the probability of a bus being late is 0.15.

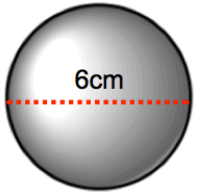
Find the probability that on a day selected at random, it is **rainy** and the bus is **late.**

Find the probability that the bus is **on time**

Solve

$5y + 3 < 28$

Find the volume of the sphere.




4 schools sent students to a languages course.

One of the schools sent both French and German students.
The ratio of French to German students it sent was 1 : 3
The school sent 21 German students.

The other 3 schools sent the same number of students.

Work out the total number of students sent to the languages course.





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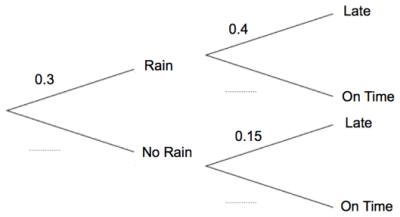


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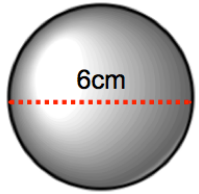


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