

Jack wakes up late on average 3 days in every 5.

If Jack wakes up late, the probability he's late for school is 9/10

If Jack does not wake up late, the probability he's late for school is 3/10

On what percent of days does Jack get to school on time?

also waking up

also waking up

also school

late on-time late on-time

$$0n-time = \frac{\frac{3}{5} \cdot 10}{5 \cdot 10} + \frac{\frac{2}{5} \cdot 7}{50} = \frac{34 \cdot 1}{50}$$

Tina's favorite meal is pasta, followed by ice cream for dessert. Tina's mom cooks pasta once a week.

If Tina's mom cooks pasta, the probability Tina gets ice cream is 2/3

If Tina's mom doesn't cook pasta, the probability Tina gets ice cream is 1/4

What is the probability that Tina gets ice cream for dessert?

The probability of a sunny day is 3/7 and the probability of a rainy day is 4/7

Joe either cycles to work, drives to work, or takes the train to work.



