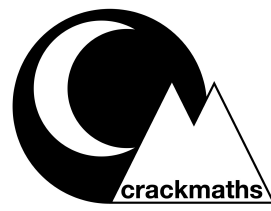


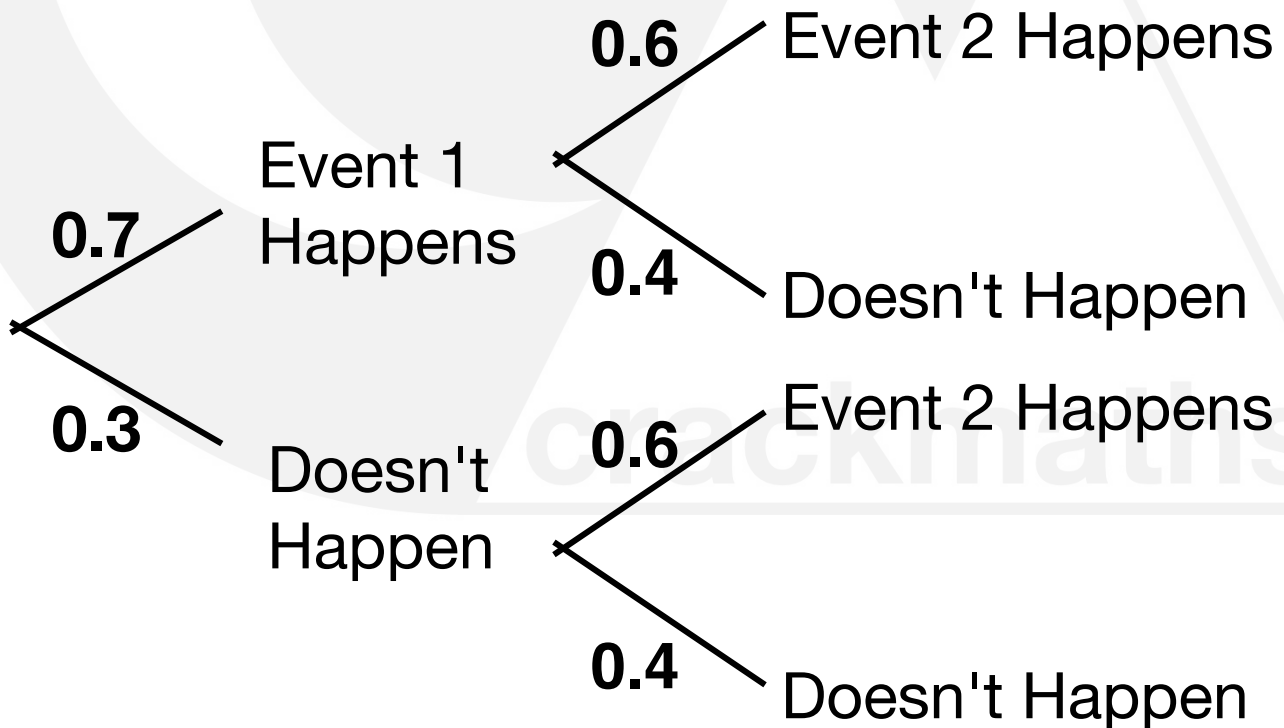
66. How to calculate probability from a probability tree



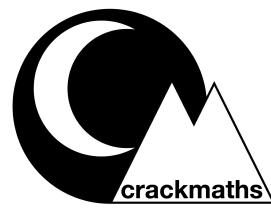
Practice Questions:

1. The probability that event 1 happens is 0.7.
The probability that event 2 happens is 0.6.

- a. What is the probability that both events happen
- b. What is the probability that neither events happen



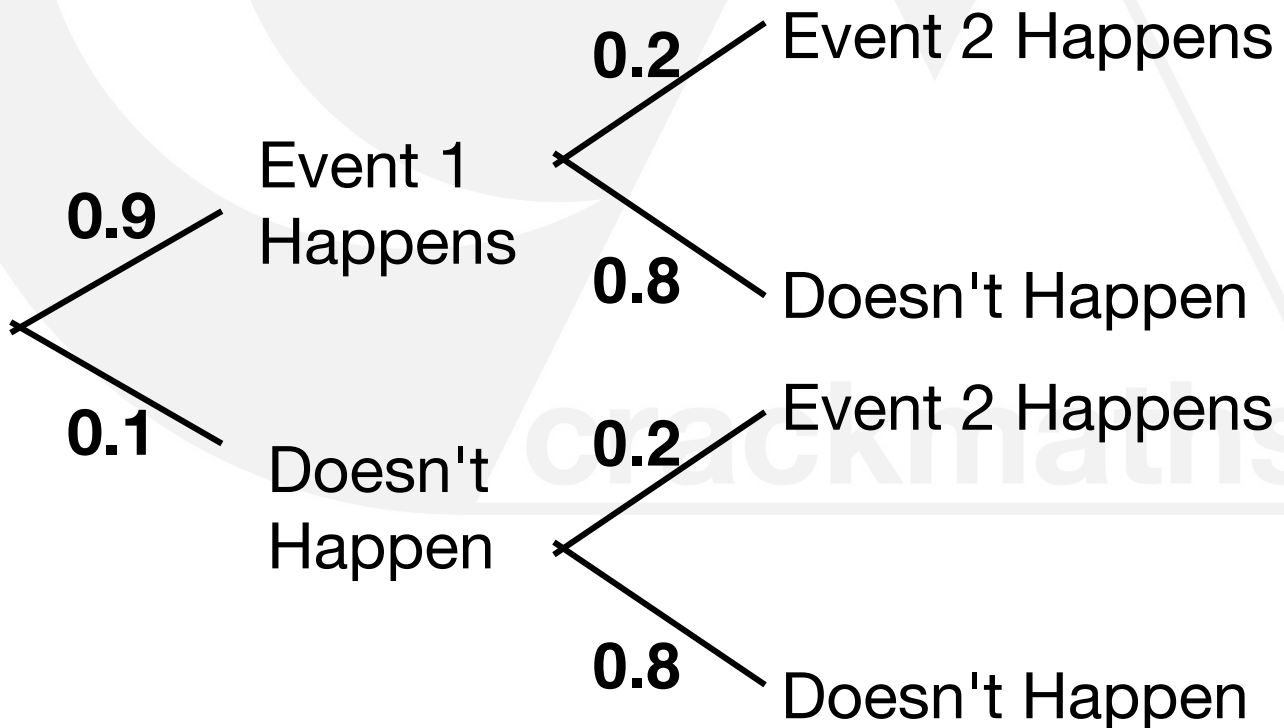
66. How to calculate probability from a probability tree



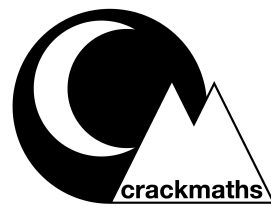
Practice Questions:

2. The probability that event 1 happens is 0.9.
The probability that event 2 happens is 0.2.

- a. What is the probability that both events happen
- b. What is the probability that neither events happen



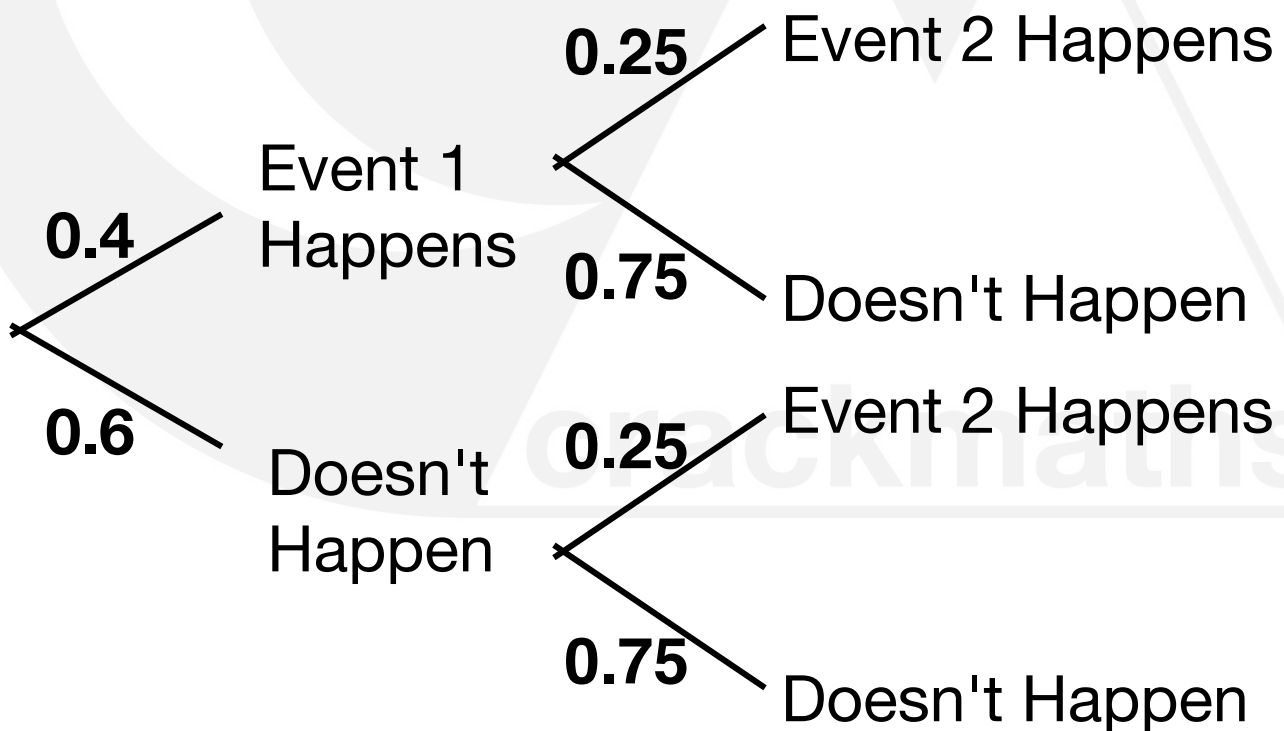
66. How to calculate probability from a probability tree



Practice Questions:

3. The probability that event 1 happens is 0.4.
The probability that event 2 happens is 0.25.

- a. What is the probability that both events happen
- b. What is the probability that neither events happen



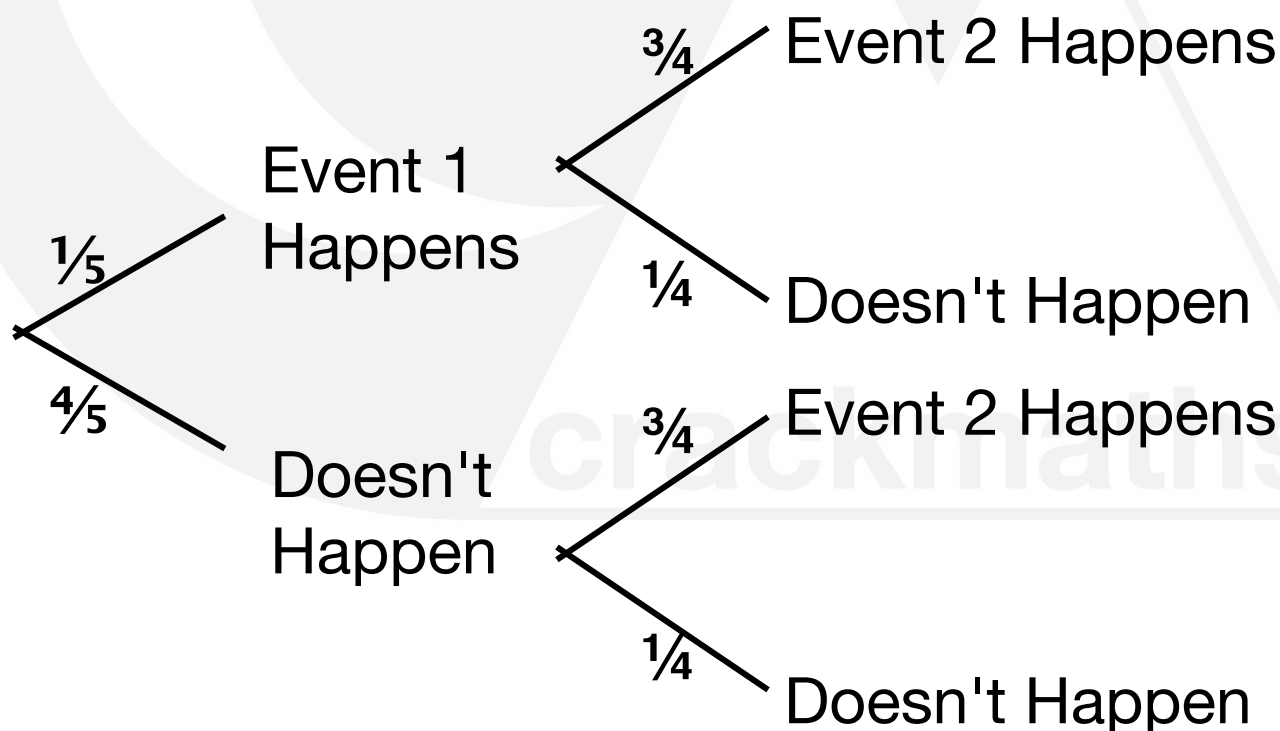
66. How to calculate probability from a probability tree



Practice Questions:

4. The probability that event 1 happens is $\frac{1}{5}$. The probability that event 2 happens is $\frac{3}{4}$.

- a. What is the probability that both events happen
- b. What is the probability that neither events happen?



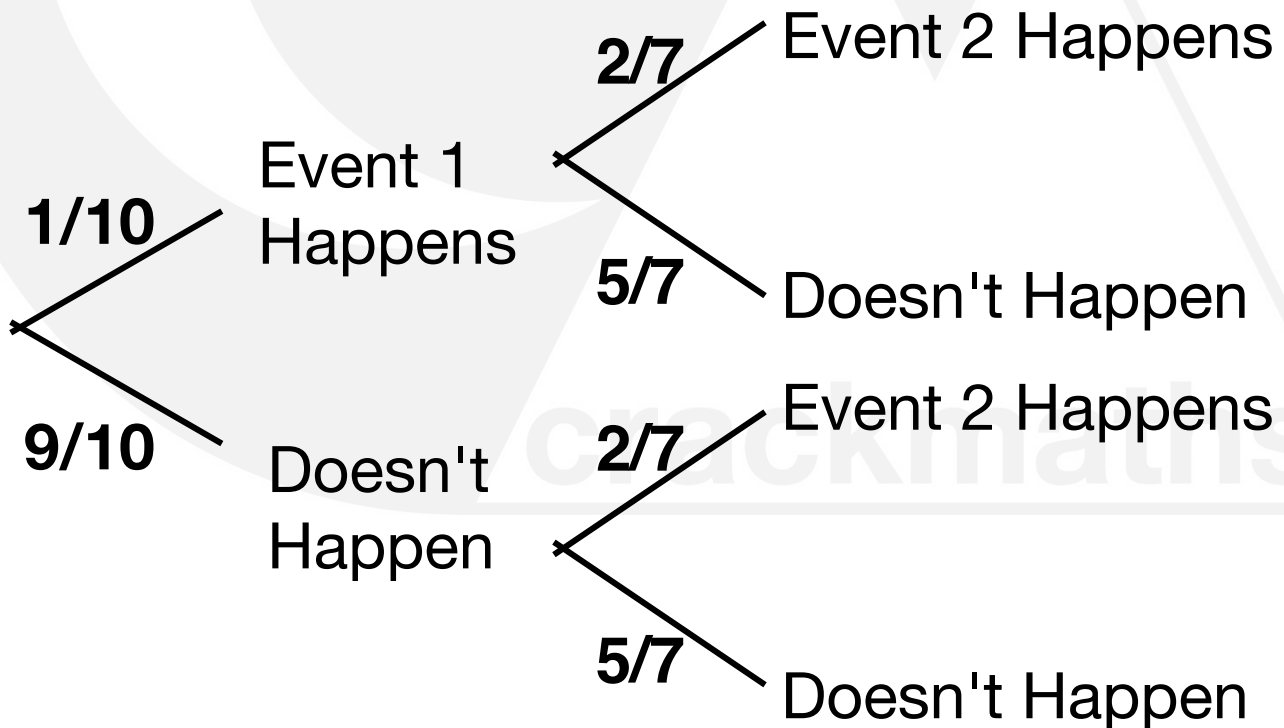
66. How to calculate probability from a probability tree



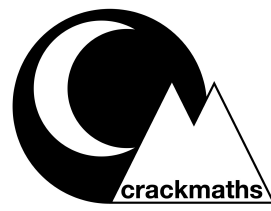
Practice Questions:

5. The probability that event 1 happens is $\frac{1}{10}$.
The probability that event 2 happens is $\frac{2}{7}$.

- a. What is the probability that both events happen
- b. What is the probability that neither events happen



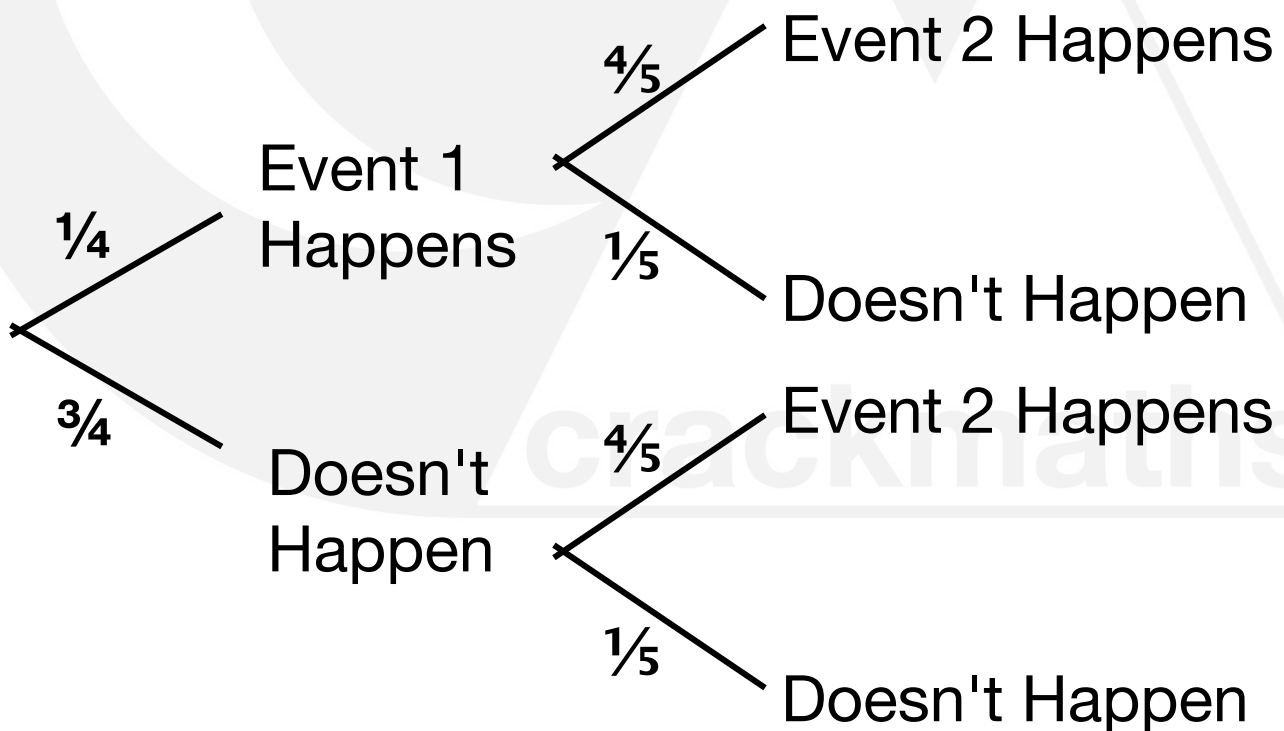
66. How to calculate probability from a probability tree



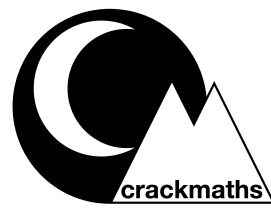
Practice Questions:

6. The probability that event 1 happens is $\frac{1}{4}$.
The probability that event 2 happens is $\frac{4}{5}$.

- a. What is the probability that both events happen
- b. What is the probability that neither events happen



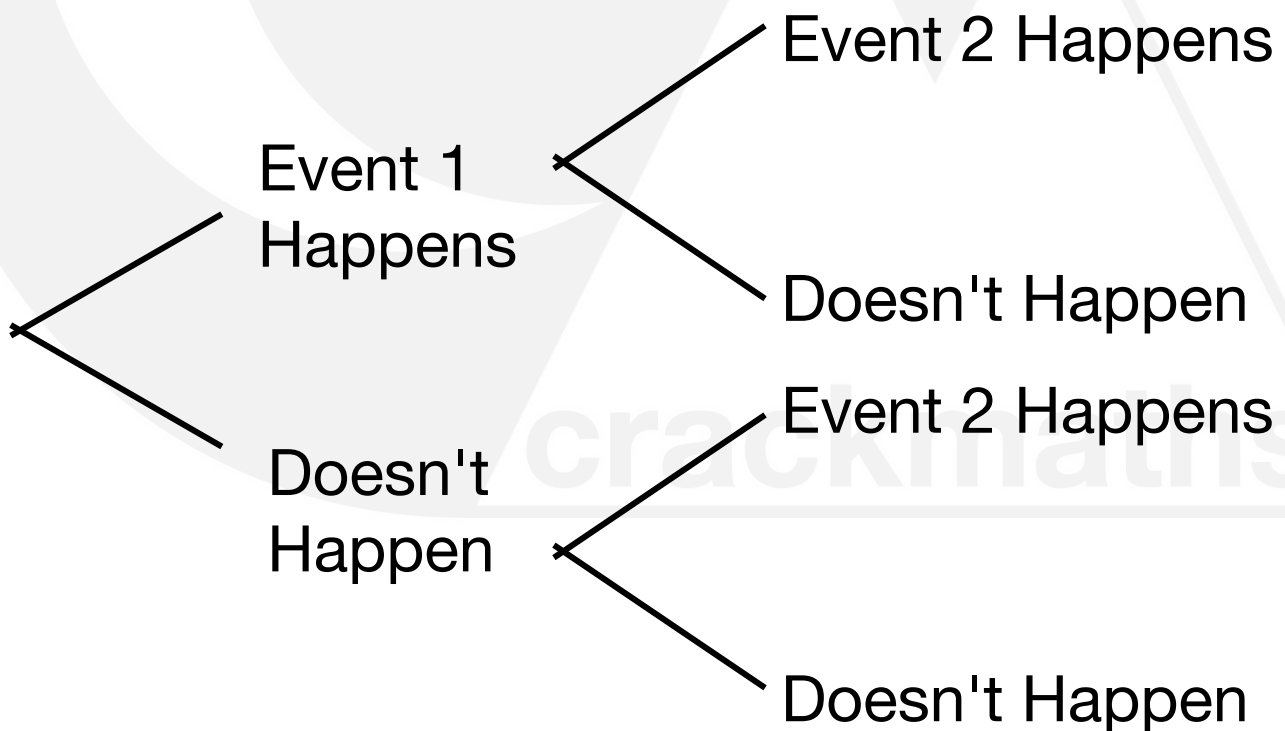
66. How to calculate probability from a probability tree



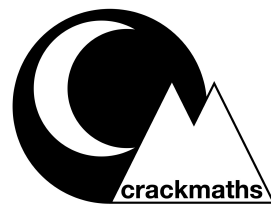
Practice Questions:

7. The probability that event 1 happens is 10%.
The probability that event 2 happens is 30%.

- a. What is the probability that both events happen
- b. What is the probability that neither events happen



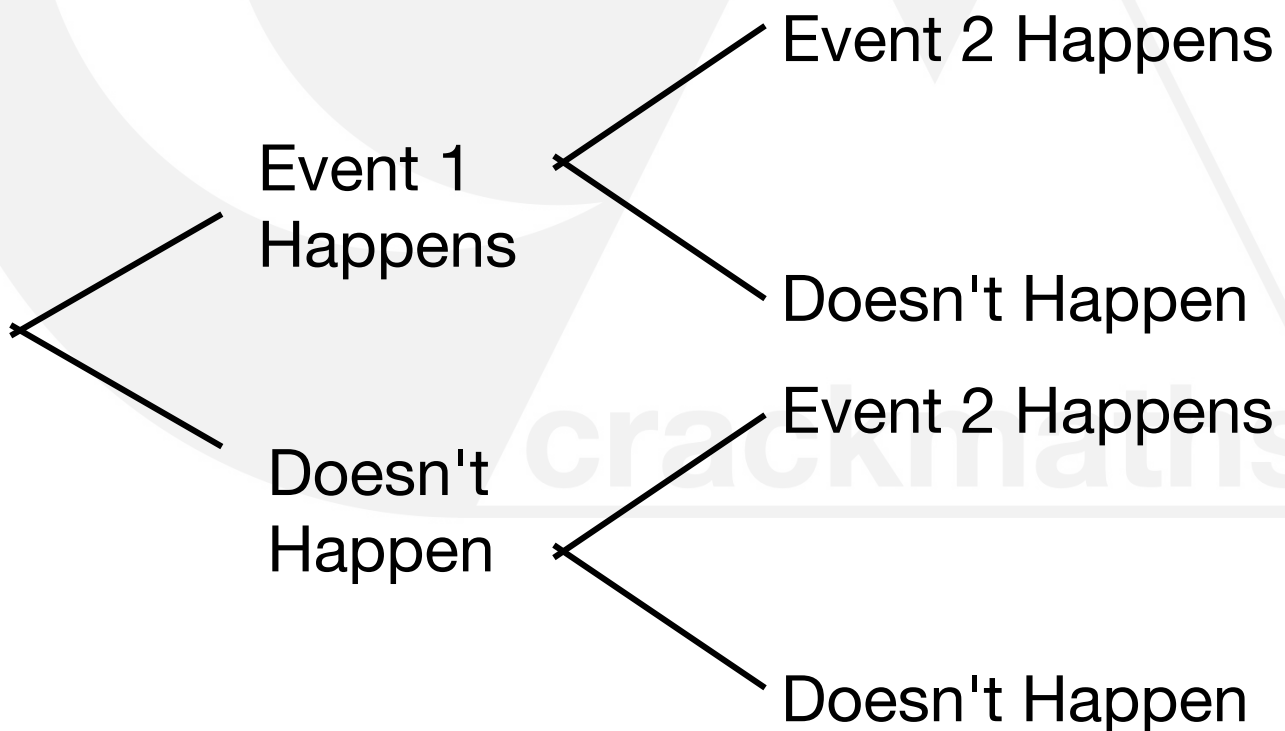
66. How to calculate probability from a probability tree



Practice Questions:

8. The probability that event 1 happens is 45%.
The probability that event 2 happens is 22%.

- a. What is the probability that both events happen
- b. What is the probability that neither events happen



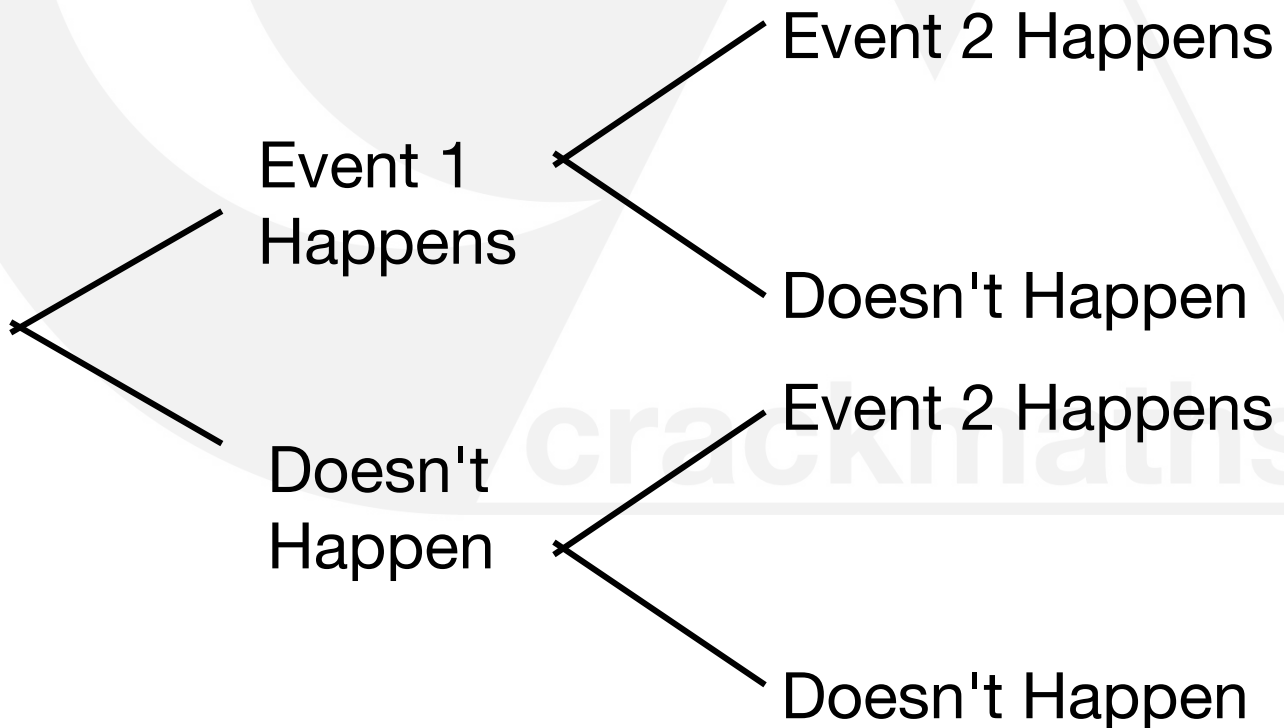
66. How to calculate probability from a probability tree



Practice Questions:

9. The probability that event 1 happens is 32.5%.
The probability that event 2 happens is 88.5%.

- a. What is the probability that both events happen
- b. What is the probability that neither events happen



66. How to calculate probability from a probability tree



Practice Questions: **Answers**

1. The probability that event 1 happens is 0.7. The probability that event 2 happens is 0.6.

- a. What is the probability that both events happen
- b. What is the probability that neither events happen

1. a. 0.42 b. 0.12.

2. The probability that event 1 happens is 0.9. The probability that event 2 happens is 0.2.

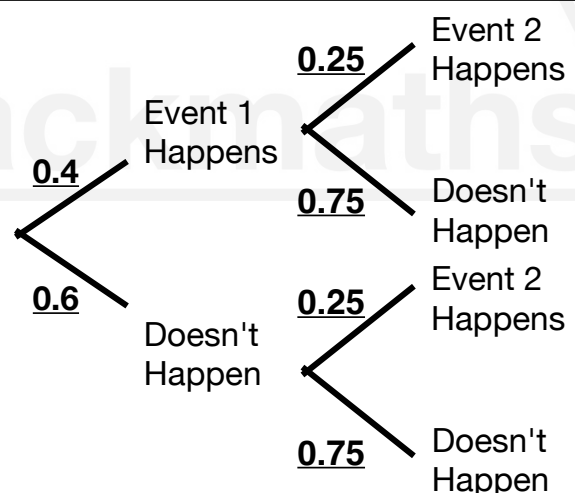
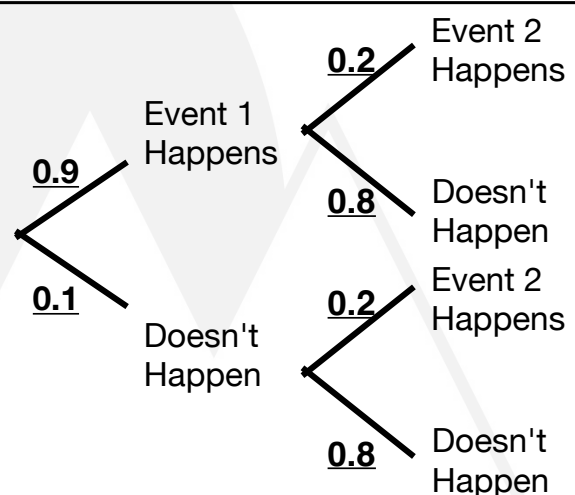
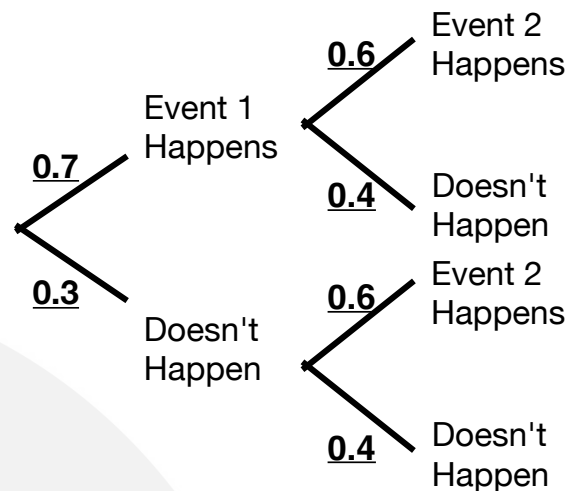
- a. What is the probability that both events happen
- b. What is the probability that neither events happen

2. a. 0.18. b. 0.08.

3. The probability that event 1 happens is 0.4. The probability that event 2 happens is 0.25.

- a. What is the probability that both events happen
- b. What is the probability that neither events happen

3. a. 0.1 b. 0.45



66. How to calculate probability from a probability tree



Practice Questions: **Answers**

4. The probability that event 1 happens is $\frac{1}{5}$. The probability that event 2 happens is $\frac{3}{4}$.

- a. What is the probability that both events happen
- b. What is the probability that neither events happen?

4. a. $\frac{3}{20}$. b. $\frac{4}{20}$.

5. The probability that event 1 happens is $\frac{1}{10}$. The probability that event 2 happens is $\frac{2}{7}$.

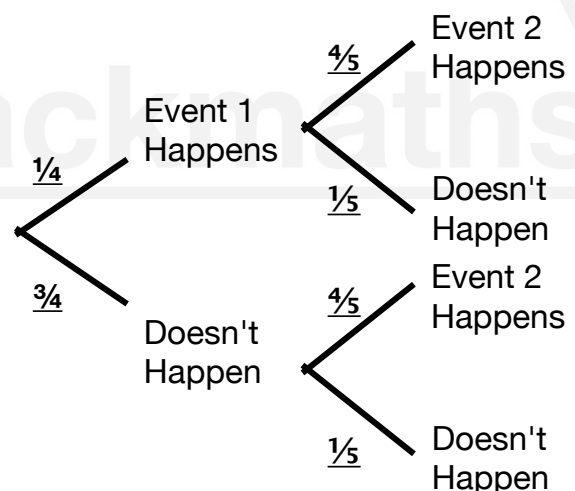
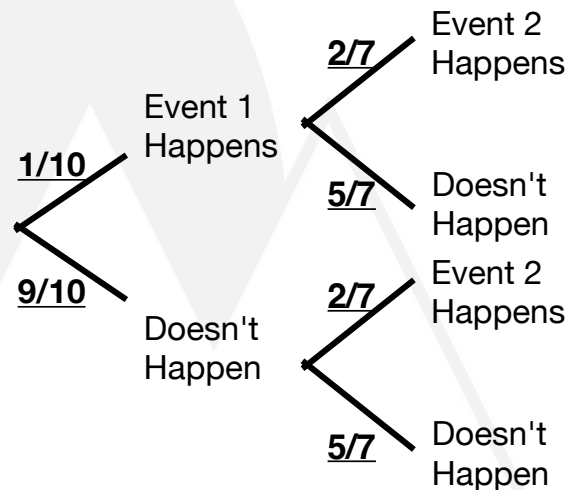
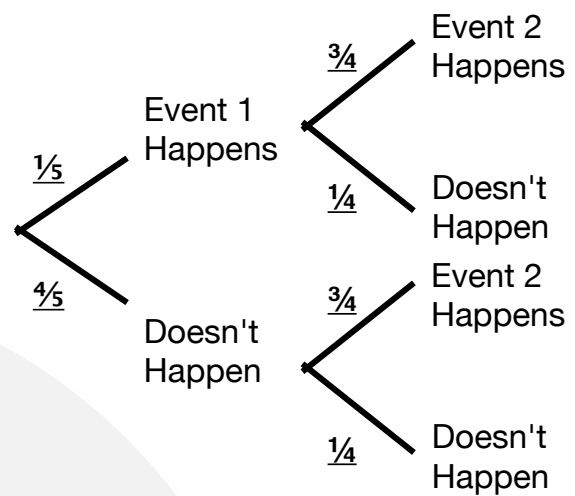
- a. What is the probability that both events happen
- b. What is the probability that neither events happen

5. a. $\frac{2}{70}$. b. $\frac{45}{70}$

6. The probability that event 1 happens is $\frac{1}{4}$. The probability that event 2 happens is $\frac{4}{5}$.

- a. What is the probability that both events happen
- b. What is the probability that neither events happen

6. a. $\frac{4}{20}$. b. $\frac{3}{20}$



66. How to calculate probability from a probability tree



Practice Questions: **Answers**

7. The probability that event 1 happens is 10%. The probability that event 2 happens is 30%.

- a. What is the probability that both events happen
- b. What is the probability that neither events happen

7. a. 3%. b. 63%

8. The probability that event 1 happens is 45%. The probability that event 2 happens is 22%.

- a. What is the probability that both events happen
- b. What is the probability that neither events happen

8. a. 9.9%. b. 42.9%

9. The probability that event 1 happens is 32.5%. The probability that event 2 happens is 88.5%.

- a. What is the probability that both events happen
- b. What is the probability that neither events happen

9. a. 28.76% b. 7.76%

