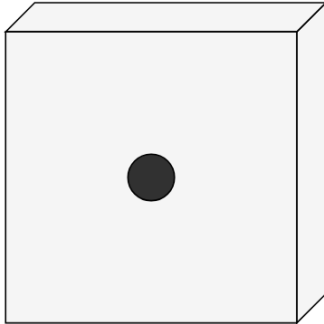




Determine probabilities of complementary events

- 1** What is the equation for the chance of NOT rolling a 6 on this dice?



A $1 - \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$

B $\frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$

C $\frac{1}{6}$

D $1 - \frac{1}{6}$

- 2** What is the chance of NOT flipping both tails on these coins?



A $\frac{7}{11}$

B $\frac{2}{7}$

C $\frac{6}{6}$

D $\frac{2}{11}$

E $\frac{3}{4}$

F $\frac{1}{5}$

- 3** What is the chance of NOT flipping both heads on these coins?



A 40%

B 25%

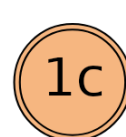
C 100%

D 62.5%

E 75%

F 100%

- 4** What is the chance of NOT flipping all tails on these coins?



A $\frac{15}{11}$

B $\frac{15}{17}$

C $\frac{4}{11}$

D $\frac{7}{8}$

E $\frac{3}{4}$

F $\frac{15}{9}$

- 5** What is the chance of NOT flipping all heads on these coins?



A 93.8%

B 212.5%

C 107.4%

D 71%

E 120%

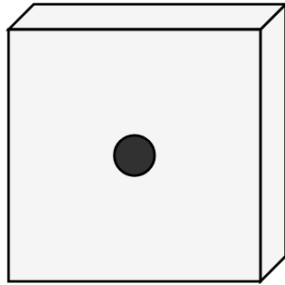
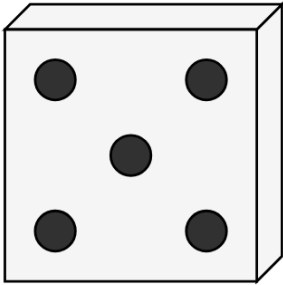
F 75%



Determine probabilities of complementary events

6

What is the chance of NOT rolling double 1's on these dice?



A $\frac{35}{36}$

B $\frac{36}{71}$

C $\frac{31}{36}$

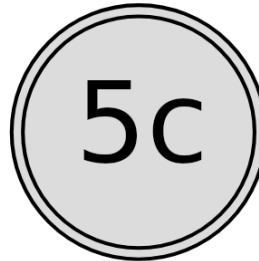
D $\frac{44}{61}$

E $\frac{13}{72}$

F $\frac{47}{47}$

7

What is the chance of NOT flipping both tails on these coins?



A $\frac{3}{4}$

B $\frac{7}{9}$

C $\frac{7}{11}$

D $\frac{5}{7}$

E $\frac{7}{10}$

F $\frac{7}{3}$

8

What is the chance of NOT flipping both heads on these coins?



A 27.3%

B 33.3%

C 100%

D 66.7%

E 50%

F 75%

9

What is the chance of NOT flipping all heads on these coins?



A $\frac{12}{19}$

B $\frac{12}{10}$

C $\frac{11}{12}$

D $\frac{7}{8}$

E $\frac{6}{7}$

F $\frac{1}{3}$

10

What is the chance of NOT flipping all tails on these coins?



A 13%

B 93.8%

C 163.6%

D 34.6%

E 112%

F 19%