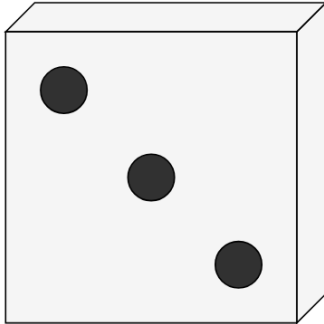




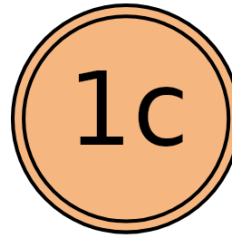
Determine probabilities of complementary events

- 1** What is the equation for the chance of NOT rolling a 3 on this dice?



A $\frac{1}{6}$	B $1 - \frac{1}{6}$
C $1 - \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$	D $\frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$

- 2** What is the equation for the chance of flipping a mixed set (not both heads or both tails) on these coins?



A $\frac{1}{2} \cdot \frac{1}{2}$
B $1 - \frac{1}{2} \cdot \frac{1}{2}$
C $1 - \frac{1}{2}$

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



A $1 - 0.5 \cdot 0.5$	B 0.5
C $1 - 0.5$	D $0.5 \cdot 0.5$

- 4** What is the equation for the chance of NOT flipping both tails on these coins?



A $100\% - 50\%$	B $100\% - 50\% \cdot 50\%$
C $50\% \cdot 50\%$	D 50%

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



A $100\% - 50\% \cdot 50\%$	B $50\% \cdot 50\% \cdot 50\%$
C $100\% - 50\% \cdot 50\% \cdot 50\%$	D $50\% \cdot 50\%$



Determine probabilities of complementary events

6

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



A $1 - \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2}$

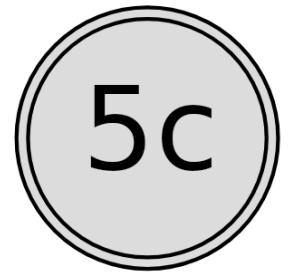
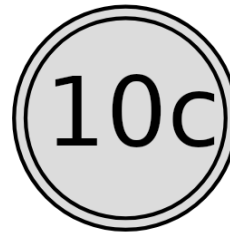
B $1 - \frac{1}{2} \cdot \frac{1}{2}$

C $\frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2}$

D $\frac{1}{2} \cdot \frac{1}{2}$

7

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



A $\frac{2}{11}$

B $\frac{7}{6}$

C $\frac{4}{7}$

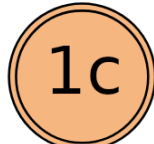
D $\frac{3}{4}$

E $\frac{5}{10}$

F $\frac{6}{7}$

8

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



A 87.5%

B 75%

C 57.1%

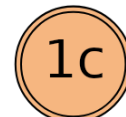
D 140%

E 45.5%

F 18.2%

9

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



A $\frac{4}{15}$

B $\frac{13}{3}$

C $\frac{4}{3}$

D $\frac{7}{8}$

E $\frac{6}{15}$

F $\frac{12}{12}$

10

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



A 0.565

B 0.037

C 0.211

D 0.938

E 0.594

F 0.762