

1 (a) 5 outcomes A, A, B, C, D

(b) 4 outcomes

| | |
|---|---|
| H | H |
| H | T |
| T | H |
| T | T |

H → head
T → tail

2 6 outcomes 1, 2, 3, 4, 5, 6

i (a) 2, 3, 5 (3 outcomes)

(b) 1, 4, 6 (3 outcomes)

ii (a) 6 (1 outcome)

(b) 1, 2, 3, 4, 5 (5 outcomes)

3 (a) Probability of pointer on D = $\frac{1}{5}$

$$(a) P(\text{ace}) = \frac{4}{52} = \frac{1}{13}$$

$$(c) P(\text{red apple}) = \frac{4}{7}$$