

**M1.**

- (a) Two of  $\frac{6}{50}$   $\frac{28}{100}$   $\frac{34}{150}$

*oe fraction, decimal, percentage*

*B1 One of  $\frac{6}{50}$   $\frac{28}{100}$   $\frac{34}{150}$*

*with at most one incorrect answer*

**B2**

- (b) Chooses their probability from the larger number of trials and reason given that more trials are involved

*Must have two probabilities in (a)*

**B1ft****[3]**

- M2.(a)** (0).5 or 50% or  $\frac{1}{2}$   
*oe fraction*

**B1**

- (b) Refers to number of trials eg Spin the spinner 60 times (and record the result)  
*Accept 'lots' or a number of trials greater than or equal to 30*

**B1**

Refers to theoretical probability

eg

Probability of each side = 1 / 10 if fair

or

Works out expected number for each score using number of trials

eg

(For 60 trials) it should land on each number (approximately) 6 times if fair

*oe*

*eg Should be (approx) same frequency for each number if fair*

*or*

*If the relative frequencies or (experimental) probabilities are not (roughly) equal it is biased*

**B1**

**[3]**