

# 8 The probability scale – Part 1 —Answers

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## Answers

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Work through these after trying the questions yourself.

**8.1** 0.

**8.2** 1.

**8.3**  $\frac{1}{2}$ .

**8.4**  $\frac{1}{6}$ .

**8.5**  $\frac{3}{5}$  (3 red out of 5 balls in total).

**8.6** There are  $3 + 2 + 5 = 10$  balls. (a)  $P(\text{green}) = \frac{5}{10} = \frac{1}{2}$ . (b) Not red means blue or green =  $2 + 5 = 7$ , so  $P(\text{not red}) = \frac{7}{10}$ .