(a) What is the probability that at least 3 heads are obtained?

(b) In how many of the possible outcomes are at least 3 heads obtained?

(c) In how many of the possible outcomes are exactly 4 heads obtained?

Explain your working.

(a) Equality: \( \frac{3}{5} \times \frac{1}{5} = \frac{3}{25} \)

(b) Total possible outcomes = 32, so 4 heads obtained in 16 outcomes.

(c) Total possible outcomes = 32, so 4 heads obtained in 4 outcomes.