

# Complementary probabilities

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**This task is about probability as a fraction.**

a) The prizes in a raffle are either a supermarket voucher or a petrol voucher. The probability of getting a supermarket voucher is  $\frac{3}{5}$ .

What is the probability of getting a petrol voucher? \_\_\_\_\_



b) The pens in a pencil case are either blue, green, or red. The probability of getting:

- a blue pen is  $\frac{4}{7}$
- a green pen is  $\frac{1}{7}$

What is the probability of getting a red pen? \_\_\_\_\_



c) The balloons given out at a birthday party are either purple, pink, orange, or yellow. The probability of being given:

- a purple balloon is  $\frac{5}{11}$
- a pink balloon is  $\frac{1}{11}$
- an orange balloon is  $\frac{2}{11}$

What is the probability of being given a yellow balloon? \_\_\_\_\_