

CAN YOU WORK IT OUT OR DO YOU HAVE TO COLLECT SOME DATA?

For which of these could you work out the probability **without** doing an experiment or collecting data? Explain.

The first person to arrive at school tomorrow will wear glasses.

When you roll a fair die it will land on 6.

When a piece of toast with honey falls to the ground, it is more likely to land on the honey side.

When you take a card from a pack of playing cards, you will get a picture card.

The last student to leave the school grounds tonight will be a boy.

When you take a counter from a bag containing a green, a red and a blue counter, the counter will be red.

Next summer there will be a drought somewhere in New Zealand.

When you toss a coin it will land on heads.

The next dog to arrive at your local SPCA will be female.

The next time you toss a coin and roll a die together, you will get a head and an even number.