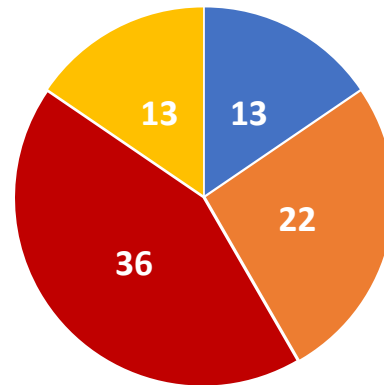# Chance

Instructions: Answer the probability questions below.

Sarah opens a bag of gummy bears. The pie graph on the right shows how many gummy bears there are inside and what colour they are.

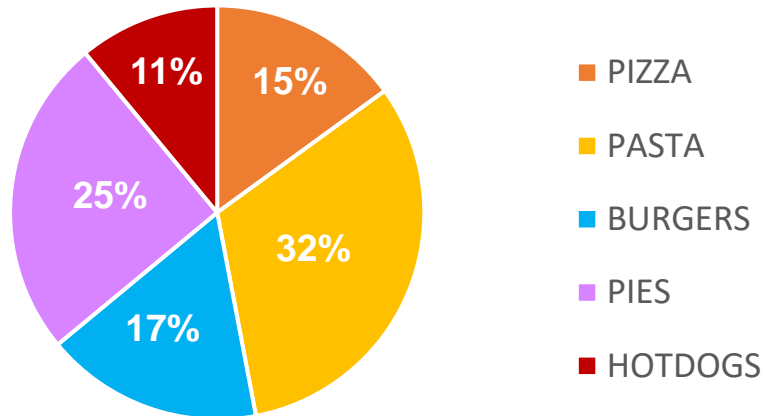|			
1	What is the chance of picking a **red** gummy bear out of the bag?	2	What is the chance of picking an **orange** gummy bear out of the bag?
3	What is the chance of picking a **yellow** gummy bear out of the bag?	4	What is the chance of picking a **blue** gummy bear out of the bag?
5	What is the chance of picking a **red** or **orange** gummy bear out of the bag?	6	If Sarah opens another bag of gummy bears, is it possible that these probabilities will change?

Many people at a concert buy snacks from the vendor outside. The vendor sells hotdogs, pizza, pasta, burgers and pies.

The pie graph below shows the percentage of each snack sold last Saturday.

- PIZZA
- PASTA
- BURGERS
- PIES
- HOTDOGS

1	What is the chance a customer bought a hotdog from the vendor?	2	What is the chance that a customer bought pasta or a pie?
3	What is the chance that a customer bought a burger or pizza from the vendor?	4	What is the chance that a person did not buy a pie from the vendor?
5	How much more likely is it that someone bought a burger or pie over a pizza or hotdog?	6	Will these probabilities change at the next concert?