WS 158

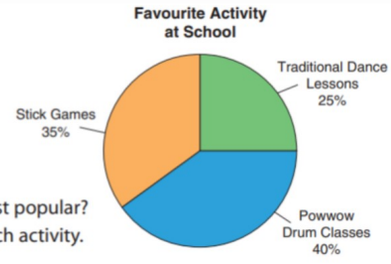
1. This circle graph shows the most popular activities in a First Nations school.
There are 500 students in the school.
All students voted.

a) Which activity did about $\frac{1}{4}$ of the students choose?
How can you tell by looking at the graph?

b) Which activity is the most popular? The least popular?

c) Find the number of students who chose each activity.

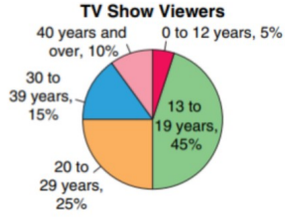
d) How can you check your answers to part c?



2. This circle graph shows the ages of viewers of a TV show.
One week, approximately 250 000 viewers tuned in.

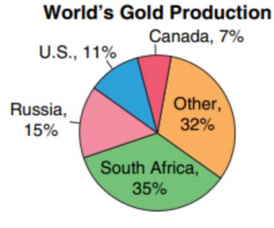
a) Which two age groups together make up $\frac{1}{2}$ of the viewers?

b) How many viewers were in each age group?
i) 13 to 19 **ii)** 20 to 29 **iii)** 40 and over



3. This graph shows the world's gold production for a particular year.
In this year, the world's gold production was approximately 2300 t.
About how much gold would have been produced in each country?

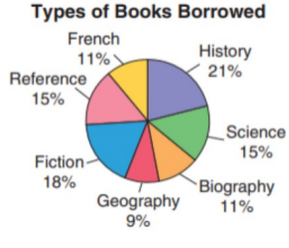
a) Canada **b)** South Africa



4. The school library budget to buy new books is $5000.
The librarian has this circle graph to show the types of books students borrowed in one year.

a) How much money should be spent on each type of book? How do you know?

b) Explain how you can check your answers in part a.



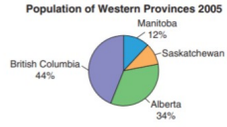
5. **Assessment Focus** This circle graph shows the populations of the 4 Western Canadian provinces in 2005.
The percent for Saskatchewan is not shown.

a) What percent of the population lived in Saskatchewan? How do you know?

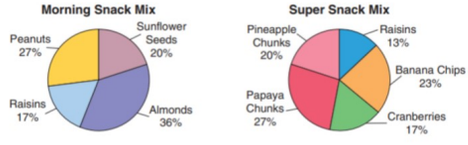
b) List the provinces in order from least to greatest population.
How did the circle graph help you do this?

c) In 2005, the total population of the Western provinces was about 9 683 000 people.
Calculate the population of each province, to the nearest thousand.

d) What else do you know from looking at the circle graph? Write as much as you can.



7. These circle graphs show the percent of ingredients in two 150-g samples of different snack mixes.



a) For each snack mix, calculate the mass, in grams, of each ingredient.

b) About what mass of raisins would you expect to find in a 300-g sample of each mix?
What assumptions did you make?