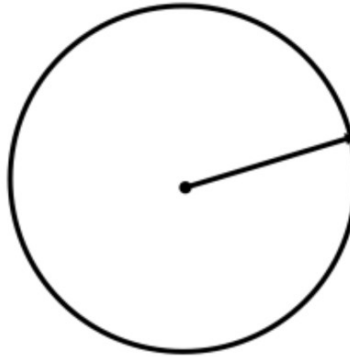Sector angel = % x 360°

change % to decimal before calculating

## Sheet 164

1) Using the information below find the sector angle for each color.

      Blue 24%,    Brown 48%,    Green 16%,    Grey 12%
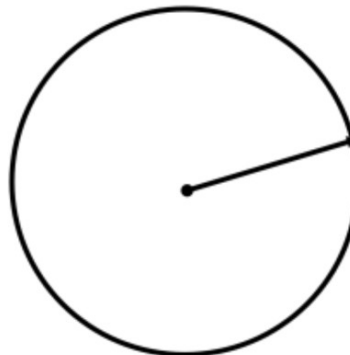
Now use protractor to put in sectors



2) Using the information below find the sector angle for each color.

  MAJIC99 is 22%,    Easy2 is 23%,    Rock1 is 30%,    HITS2 is 25%

Now use protractor to put in sectors

## WS 164 continued

**3.** **Assessment Focus** This table shows the method of transport used by U.S. residents entering Canada in one year.
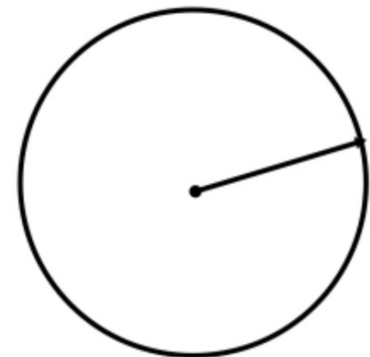
a) How many U.S. residents visited Canada that year?

b) What fraction of U.S. residents entered Canada by boat?

c) What percent of U.S. residents entered Canada by plane?

d) Display the data in a circle graph.

**United States Residents Entering Canada**

| Method of Transport | Number |
|---|---|
| Automobile | 32 000 000 |
| Plane | 4 000 000 |
| Train | 400 000 |
| Bus | 1 600 000 |
| Boat | 1 200 000 |
| Other | 800 000 |

-must have all percents and then angles
- THEN use protractor

|   | (c above) |   |   | (b above) |   |
|---|---|---|---|---|---|
| Auto | Plane | Train | Bus | Boat | Other |

Now use protractor to put in sectors

**4.** Can the data in each table below be displayed in a circle graph? Explain.

a)

| Educational Attainment of Canadians | |
| --- | --- |
| 0 to 8 years of elementary school | 10% |
| Some secondary school | 17% |
| Graduated from high school | 20% |
| Some post-secondary education | 9% |
| Post-secondary certificate or diploma | 28% |
| University degree | 16% |

b)

| Canadian Households with These Conveniences | |
| --- | --- |
| Automobile | 64% |
| Cell phone | 42% |
| Dishwasher | 51% |
| Internet | 42% |