

P. 185-6

Sept
21

13.

$$18 + 18 + 18 + 19 + 19 + 22 + 25 + 25 + 27$$

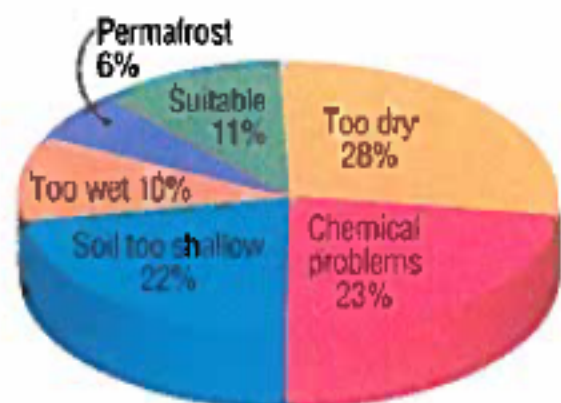
$$= \frac{218}{10} = 21.8 \text{ is the mean.}$$

Mode: 18

$$\text{Median } \frac{19 + 22}{2} = 20.5$$

**Problems and Applications**

1. The circle graph shows data on the suitability of land for farming.

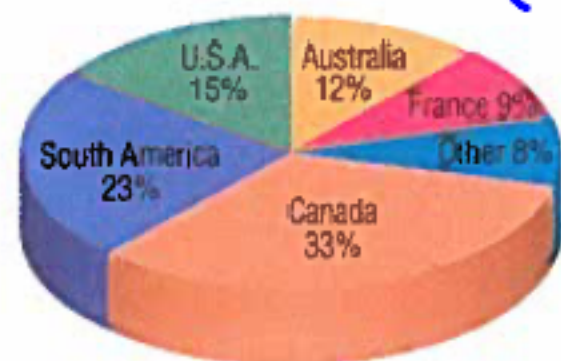


Suitability of Land for Farming

a) Which 2 categories account for over half the land? *too dry. chemical*

b) For every 500 ha of land, how many hectares are suitable for farming? *55*

2. The circle graph shows the world's uranium deposits.



World's Uranium Deposits

a) Rank the deposits in decreasing order.

b) Calculate the angle in the sector that represents Canada's uranium.

c) If you measured this angle with a protractor, why might you not get the same answer as you calculated?

4. The table shows the number of species of different types of birds that breed in Canada. Use the data to draw a circle graph.

Type of Bird	Breeding Species in Canada
Ducks	36
Birds of Prey	19
Shorebirds	71
Owls	14
Perching Birds	180
Other	80

5. Would you represent each of the following on a circle graph, a broken-line graph, or a bar graph? Explain each choice and compare it with your classmates'.

a) the heights of the world's 10 tallest buildings

b) how you spend a school day

c) your shoe size at different ages

6. a) Find out your classmates' blood types. Record the data in a frequency chart and draw a circle graph.

b) Compare your graph with the graph of blood types on the opposite page.

**PATTERN POWER**

Write each sum as a power of 2.

14.

145

145

$$\frac{168 + 170}{2}$$

174

182

Mode:

145

not a good indicator,
usually she does better

Median:

169

- better indicator

3. Type of Waste

Paper
yard Waste
Food waste
Glass
plastic
steel
other

%	Degrees
40	$\times 3.6 = 144$
18	$\times 3.6 = 64.8$
12	$\times 3.6 = 43.2$
8	$\times 3.6 = 28.8$
7	$\times 3.6 = 25.2$
7	$\times 3.6 = 25.2$
8	$\times 3.6 = 28.8$
<hr/> 100	<hr/> 360.0

Homework for Mon.

p. 185-186 finish +
circle graph on hawk

(Add up total number of
birds + find percent first)

Start test review. due Wed.