

Sept 25

$$20. h_1 \quad a \div (b \div c)$$

$$= \frac{3}{1} \div \left(\frac{6}{1} \div \frac{1}{2} \right)$$

$$= \frac{3}{1} \div \left(\frac{6}{1} \times \frac{2}{1} \right)$$

$$= \frac{3}{1} \div \left(\frac{12}{1} \right)$$

$$= \frac{3}{1} \times \frac{1}{12}$$

$$= \frac{3}{12}$$
$$= \frac{1}{4}$$

P. 185 Classwork

Sept 24

14. 145 145 $\frac{168 + 170}{2}$ 174 182

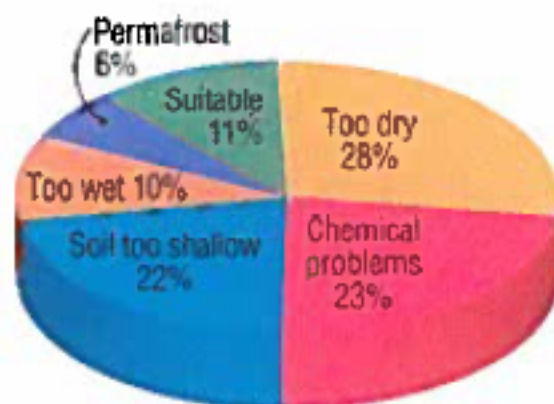
Mode: 145 is not the best measure; it's the lowest

Median: 169 is a better indicator
mean: 164

1a) too dry + chemical problems

Problems and Applications

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

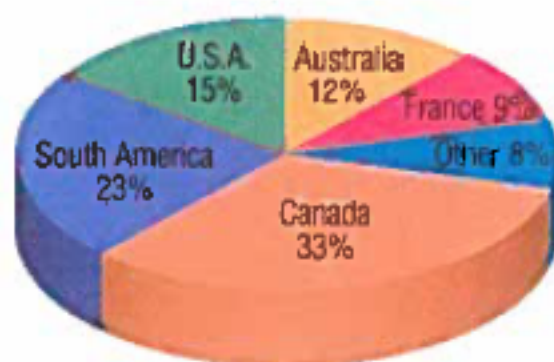


Suitability of Land for Farming

a) Which 2 categories account for over half the land?

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

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

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

Open



2 / 2

102%



Tools

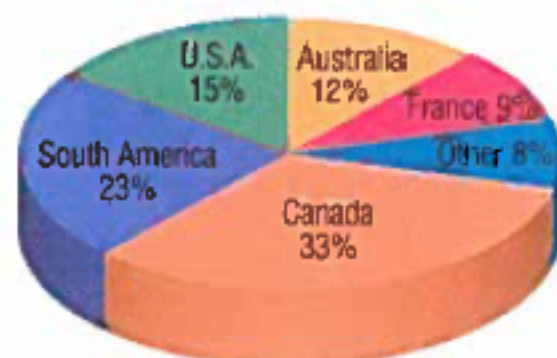
Fill & Sign

Comment

the land?

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

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?

3. The table shows the composition of municipal waste. Draw, label, and title a circle graph for these data.

Type of Waste	Percent
Paper	40
Yard Waste	18
Food Waste	12
Glass	8
Plastic	7
Steel	7
Other	8

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.

$$2^1 + 2^1 = \square$$

$$2^2 + 2^2 = \square$$

$$2^3 + 2^3 = \square$$

$$2^4 + 2^4 = \square$$

a) Describe the pattern.

b) Explain why it works.

c) Use the pattern to predict $2^8 + 2^8$. Use a calculator to check your answer.

d) Can you write a similar pattern for powers with another base?

Type of Waste ?

Degrees °

Paper

$$40 \times 3.6 = 144$$

Yard Waste

$$18 \times 3.6 = 64.8^\circ$$

Food Waste

$$12 \times 3.6 = 43.2^\circ$$

Glass

$$8 \times 3.6 = 28.8^\circ$$

$$7 \times 3.6 = 25.2^\circ$$

$$7 \times 3.6 = 25.2^\circ$$

$$8 \times 3.6 = 28.8^\circ$$

8

$$100$$

Plastic

Steel

Other

$$360^\circ$$

Homework
P. 185 → finish

circle graphs 4 (on back)

Review package for test