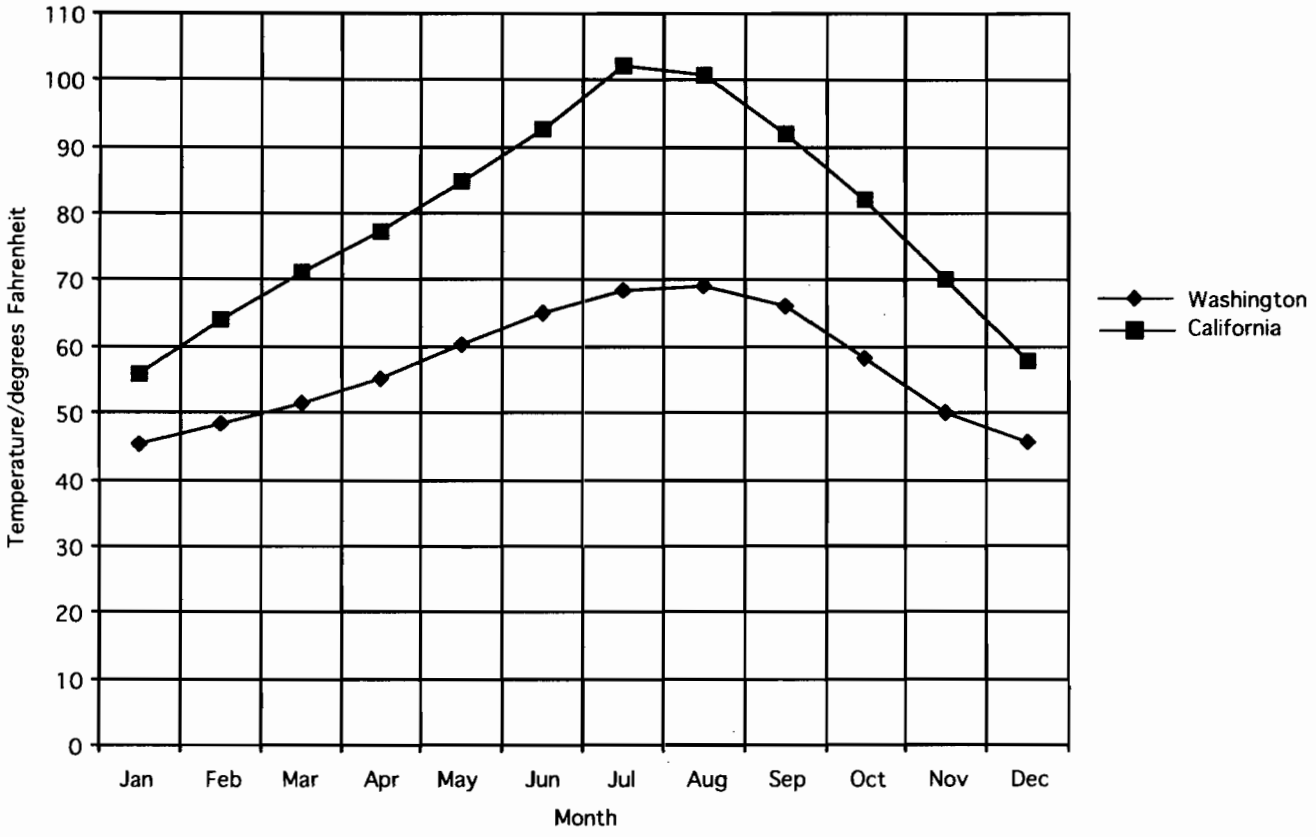
Temperatures

This problem gives you the chance to:
- understand and interpret statistical graphs and diagrams showing real data

T1

This graph shows the highest average temperatures for each month of the year for one place in Washington and one place in California.



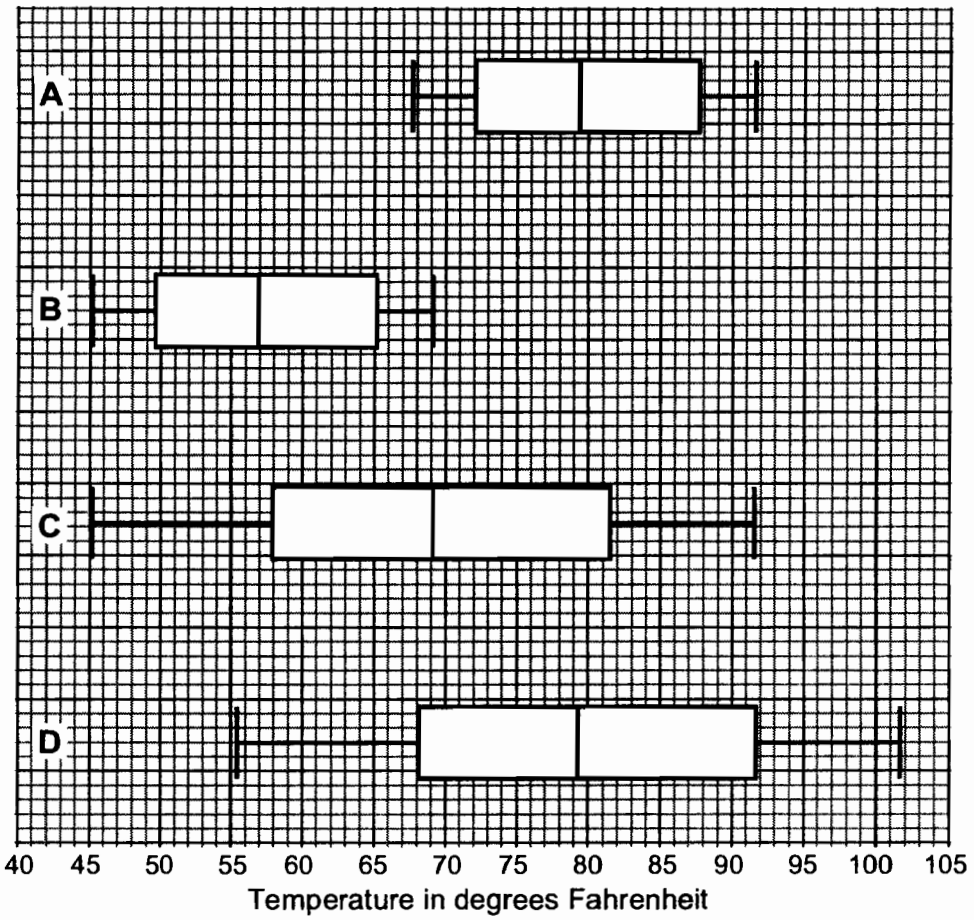
1. Write two statements about what is the same and what is different in the two sets of temperatures.

(i) Same: the temperatures rise from Jan on and they are highest in July and Aug then they fall

(ii) different: the temperatures in California rise and fall faster

Box and whisker temperature diagrams

T1



2. Which of the four box diagrams shows the Washington temperatures? B

Explain how you decided.

Top temperature is 69°

3. Which of the four box diagrams shows the California temperatures? D

For which months of the year is the maximum monthly temperature for California between the upper and the lower quartiles?

March, April, May, October, November

Explain how you figured it out.

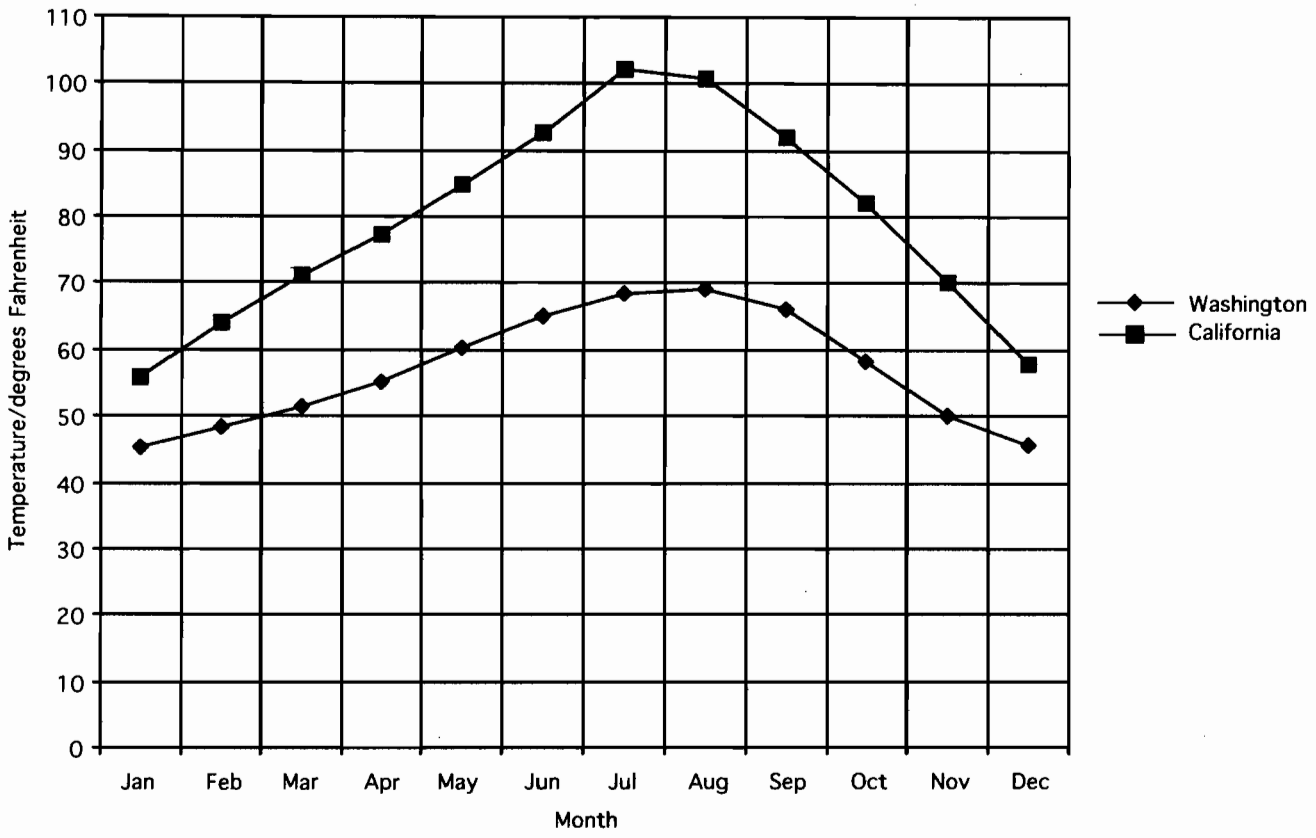
They got temperatures between 68° and 92°

Temperatures

This problem gives you the chance to:
• understand and interpret statistical graphs and diagrams showing real data

T2

This graph shows the highest average temperatures for each month of the year for one place in Washington and one place in California.



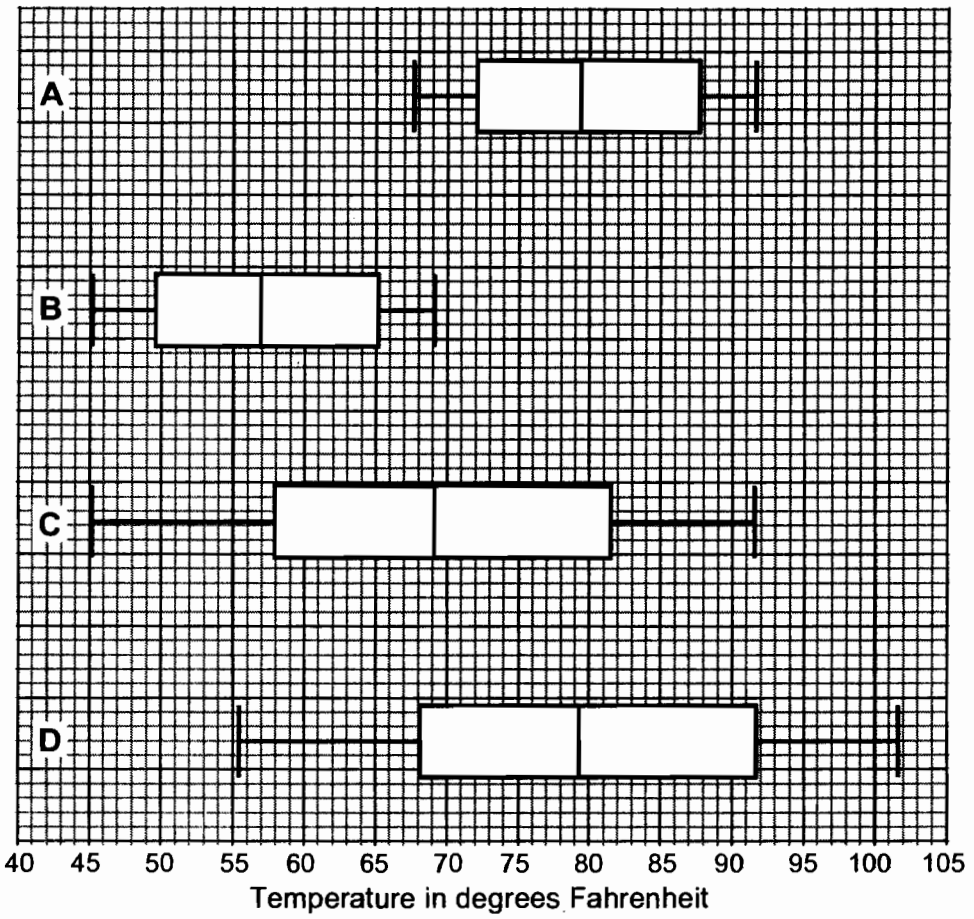
1. Write two statements about what is the same and what is different in the two sets of temperatures.

(i) The temperature is cooler year-round in Washington than the temperature is in California year-round.

(ii) Both states have a high temerature in August over 60 degrees.

Box and whisker temperature diagrams

T2



2. Which of the four box diagrams shows the Washington temperatures? B

Explain how you decided.

I looked at the highest temperature and lowest temperature and found them on the box and whisker plots.

3. Which of the four box diagrams shows the California temperatures? D

For which months of the year is the maximum monthly temperature for California between the upper and the lower quartiles?

March, April, May, June, September, October and November are all between the upper and lower Quartiles.

Explain how you figured it out.

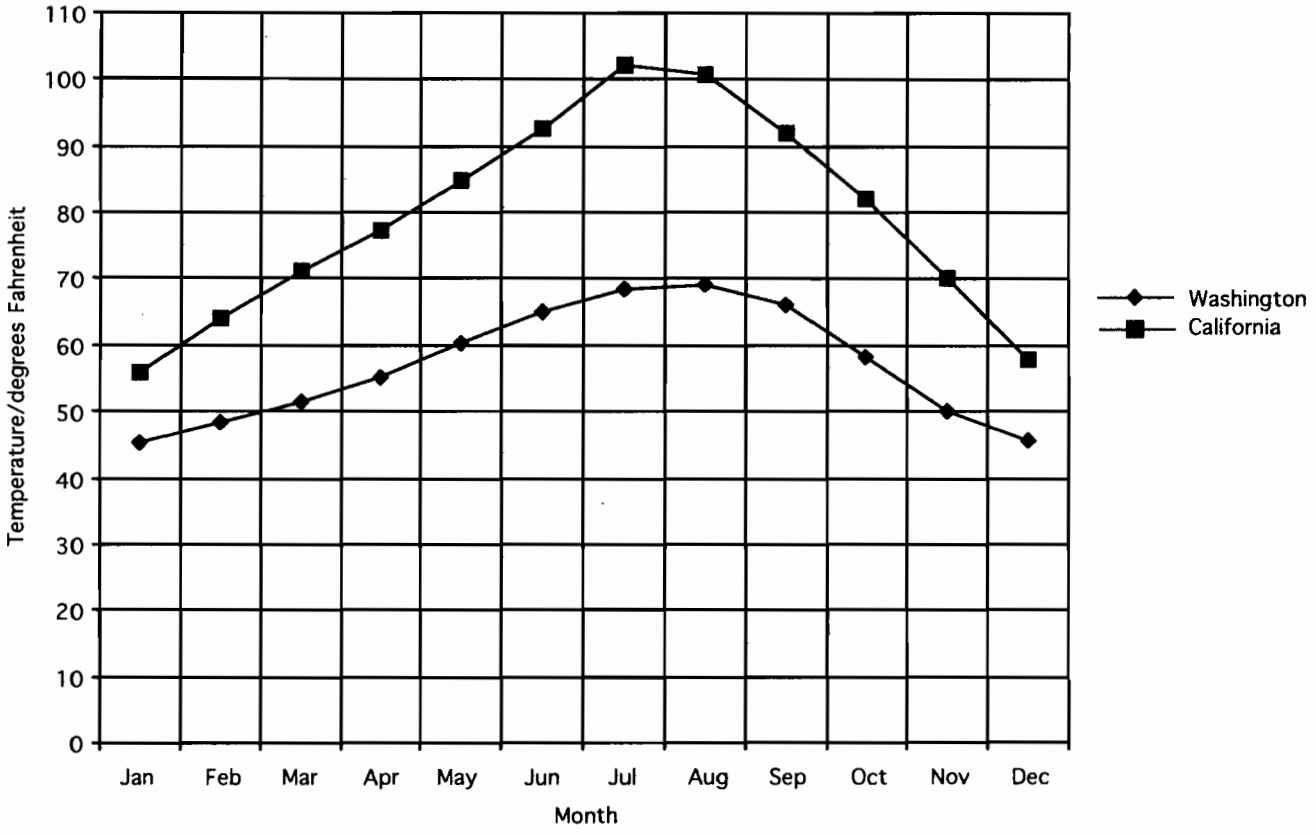
I looked at letters D's box and looked at the quantiles then at the graph to figure it out.

Temperatures

This problem gives you the chance to:
• understand and interpret statistical graphs and diagrams showing real data

T3

This graph shows the highest average temperatures for each month of the year for one place in Washington and one place in California.



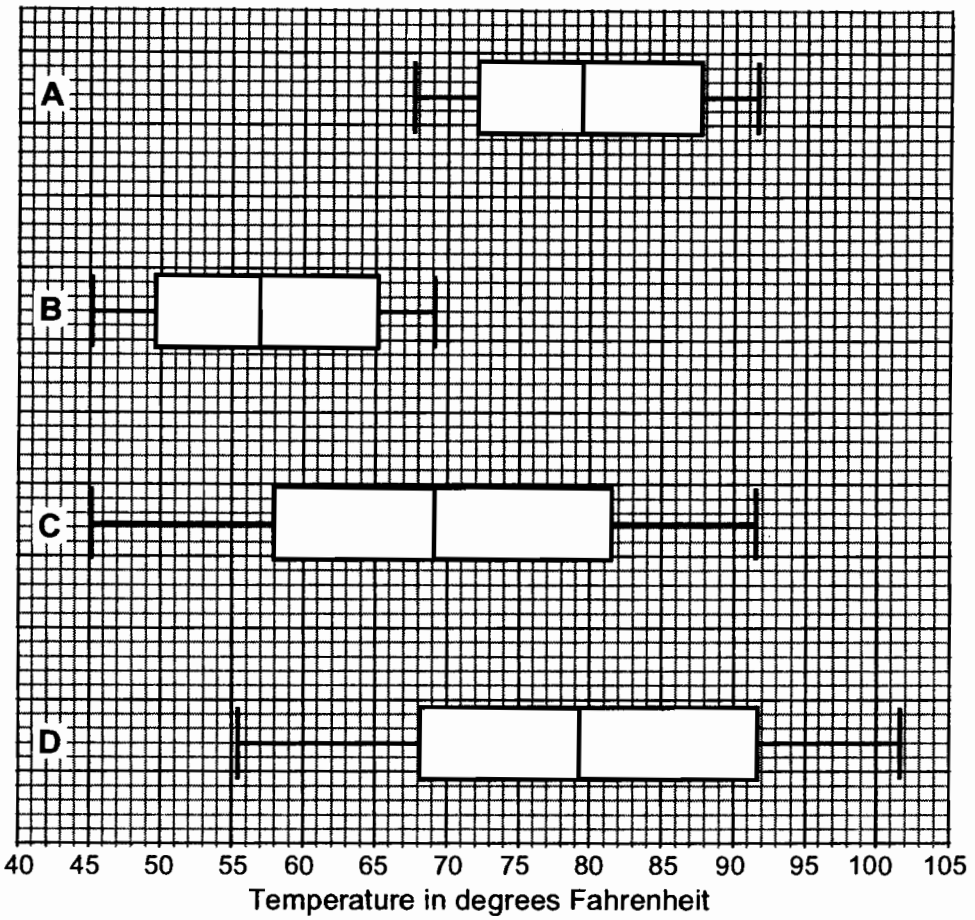
1. Write two statements about what is the same and what is different in the two sets of temperatures.

(i) they Both increase and decrease

(ii) Washington has a Lesser tep than California

Box and whisker temperature diagrams

T3



2. Which of the four box diagrams shows the Washington temperatures? B

Explain how you decided.

it's the lowest

3. Which of the four box diagrams shows the California temperatures? D

For which months of the year is the maximum monthly temperature for California between the upper and the lower quartiles?

102°F

Explain how you figured it out.

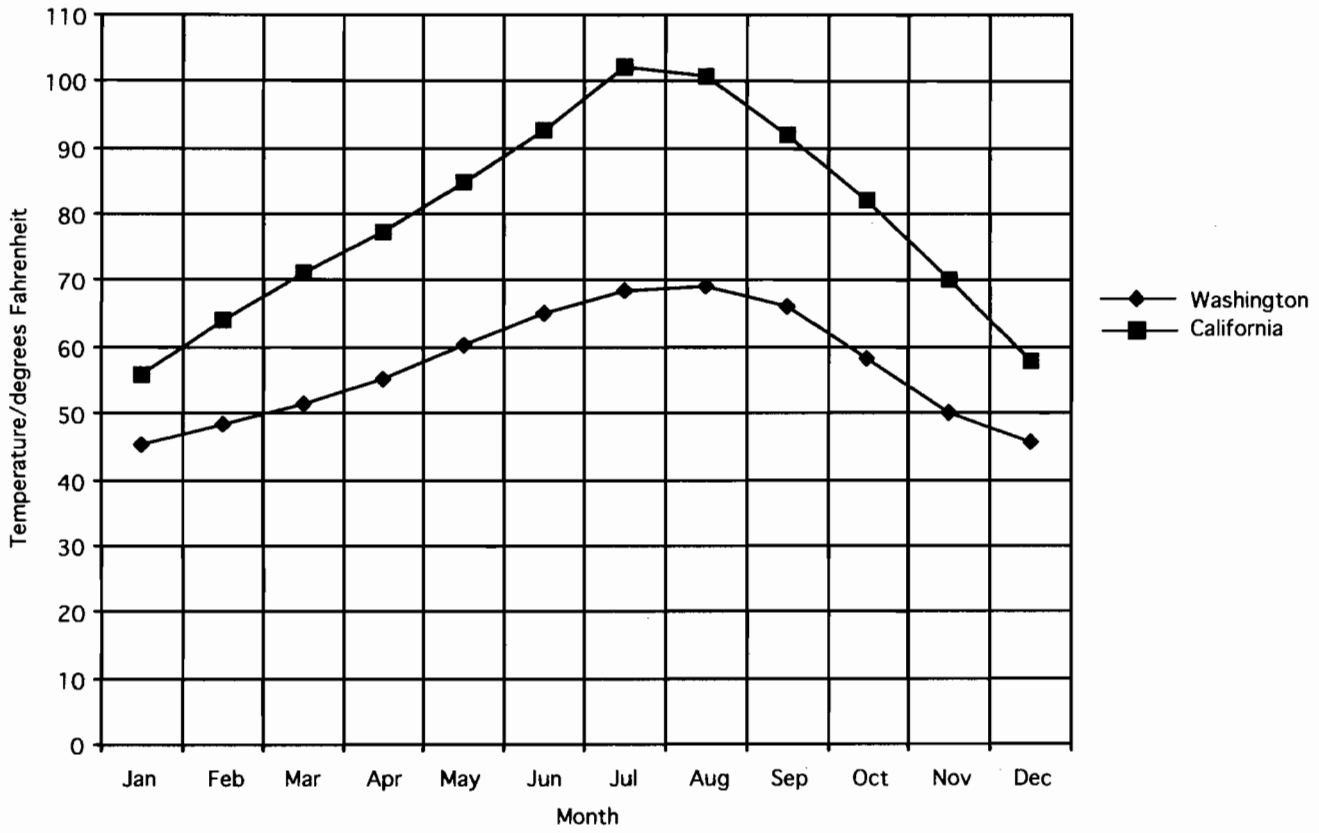
it's the highest

Temperatures

This problem gives you the chance to:
• understand and interpret statistical graphs and diagrams showing real data

T4

This graph shows the highest average temperatures for each month of the year for one place in Washington and one place in California.



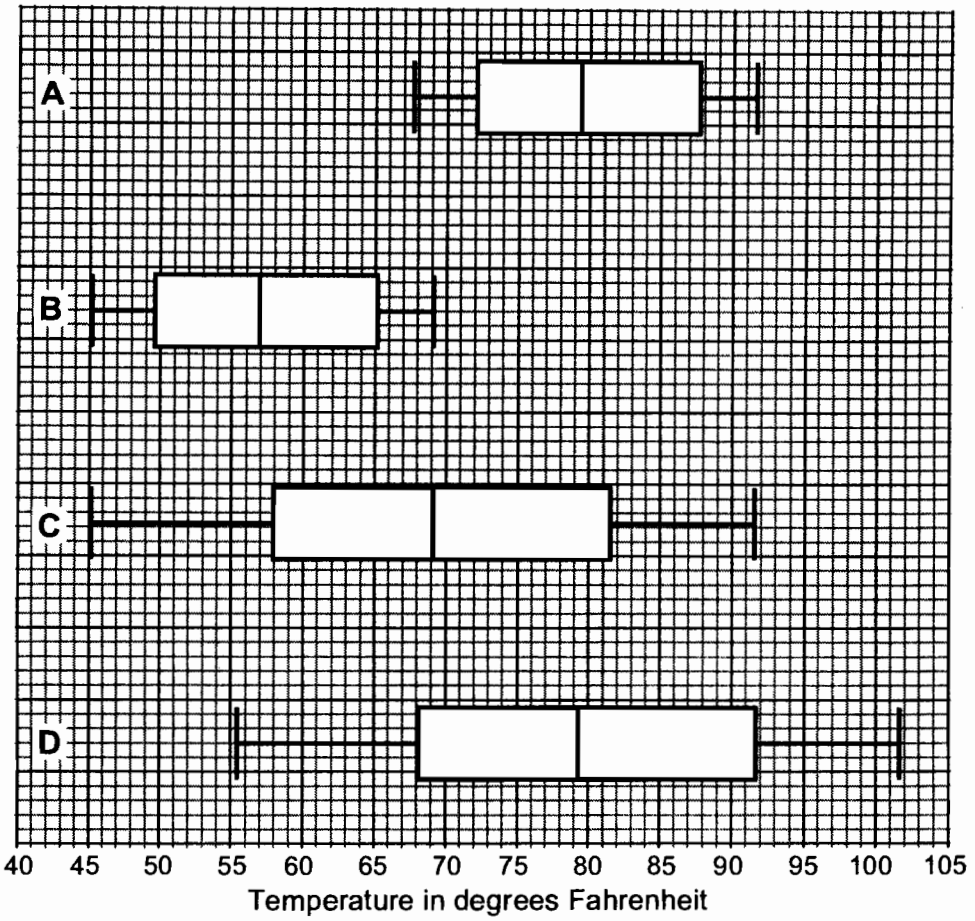
1. Write two statements about what is the same and what is different in the two sets of temperatures.

(i) Both temperatures seem to rise significantly around June to August

(ii) It is considerably colder in Washington than in California

T4

Box and whisker temperature diagrams



2. Which of the four box diagrams shows the Washington temperatures? B

Explain how you decided.

Because the whiskers go from 48°F to 69°F, which are the WA temperatures

3. Which of the four box diagrams shows the California temperatures? D

For which months of the year is the maximum monthly temperature for California between the upper and the lower quartiles?

April

Explain how you figured it out.

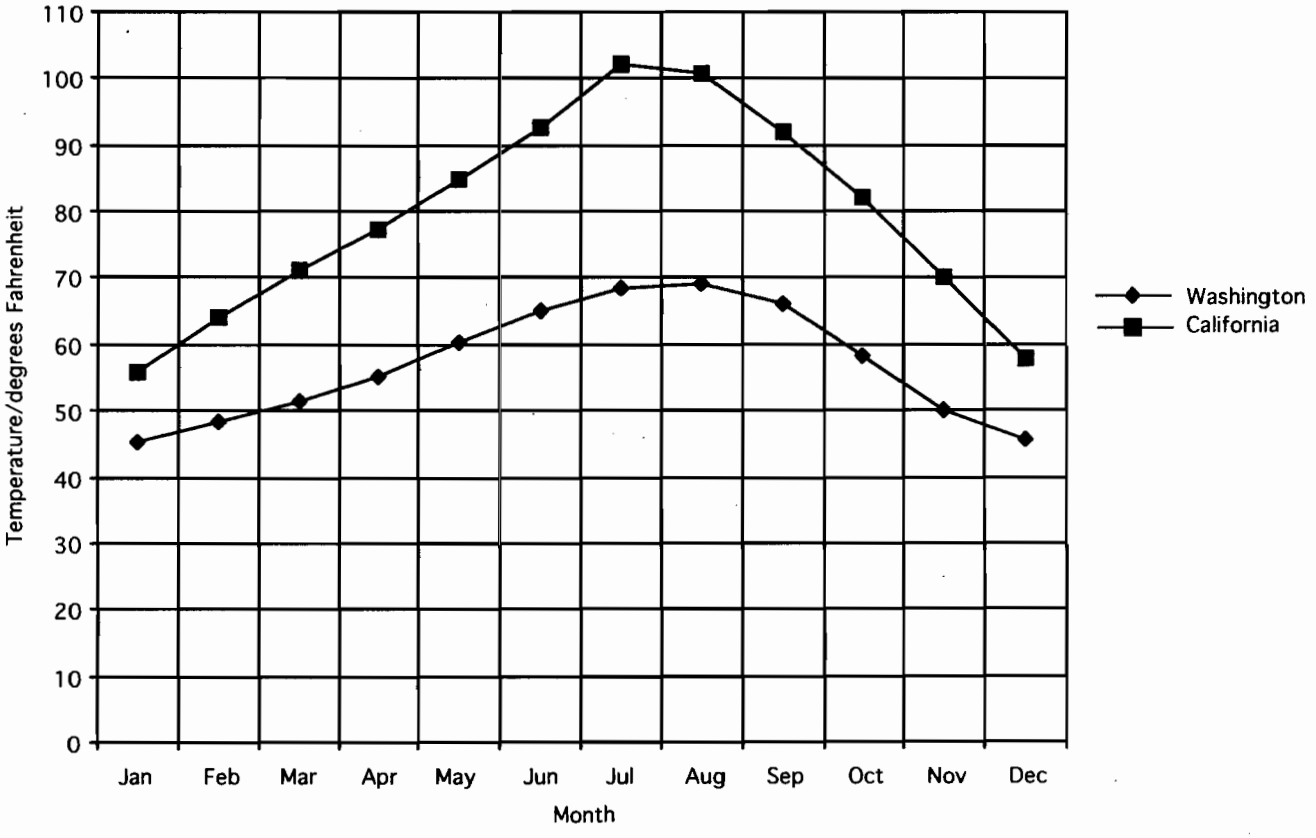
It is about 78°F

Temperatures

This problem gives you the chance to:
• understand and interpret statistical graphs and diagrams showing real data

T5

This graph shows the highest average temperatures for each month of the year for one place in Washington and one place in California.



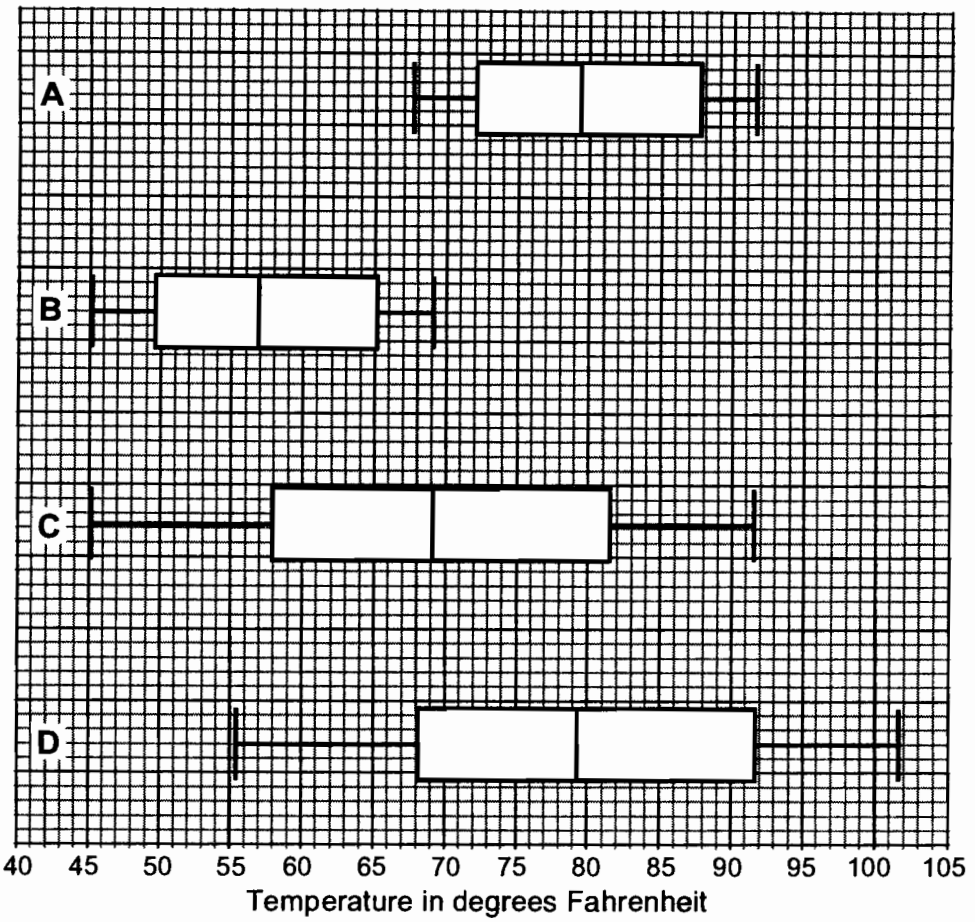
1. Write two statements about what is the same and what is different in the two sets of temperatures.

(i) same: coldest Jan, hotest July and August

(ii) different: California hotter all the time

Box and whisker temperature diagrams

T5



2. Which of the four box diagrams shows the Washington temperatures? B

   Explain how you decided.

   between 45° and 69°

3. Which of the four box diagrams shows the California temperatures? D

   For which months of the year is the maximum monthly temperature for California between the upper and the lower quartiles?

   March to November

   Explain how you figured it out.

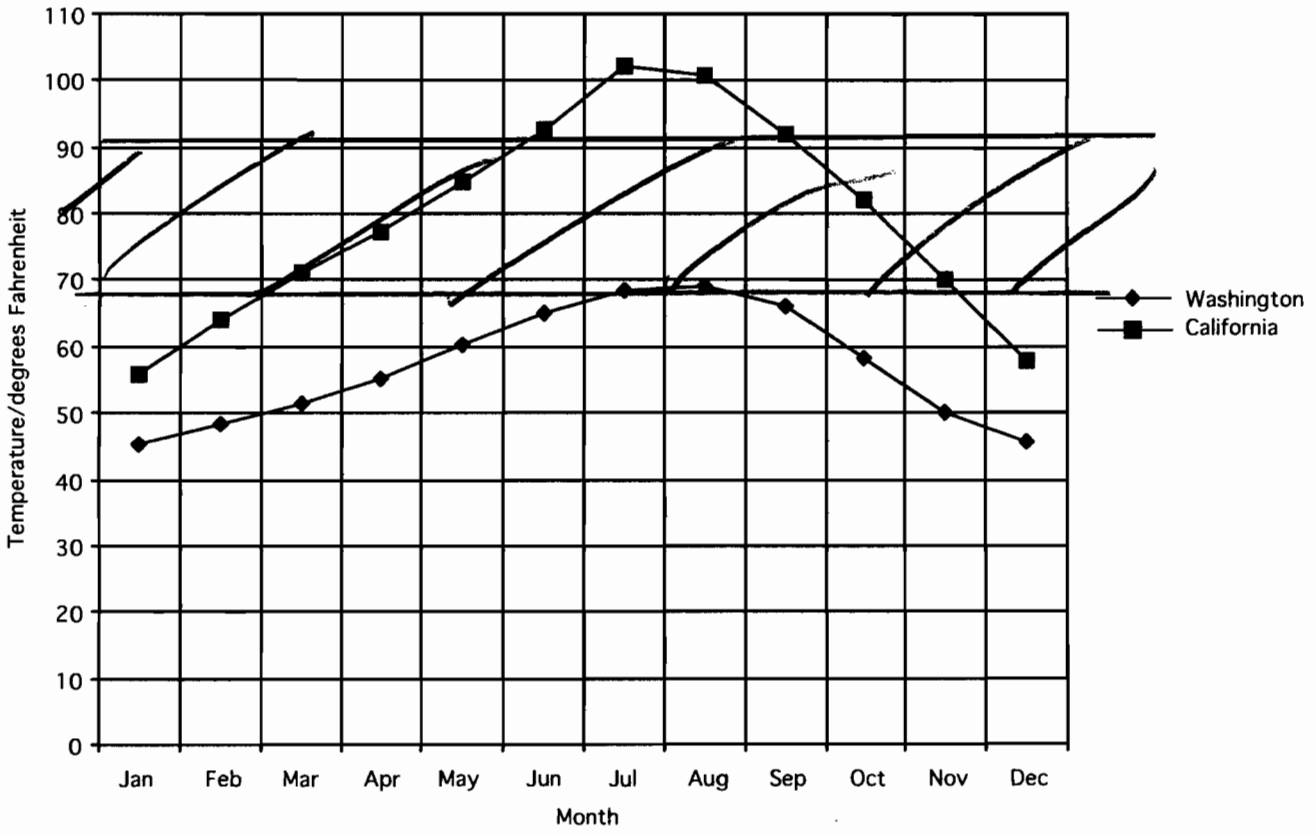
   between quartiles 68 and 92

Temperatures

This problem gives you the chance to:
• understand and interpret statistical graphs and diagrams showing real data

S1

This graph shows the highest average temperatures for each month of the year for one place in Washington and one place in California.



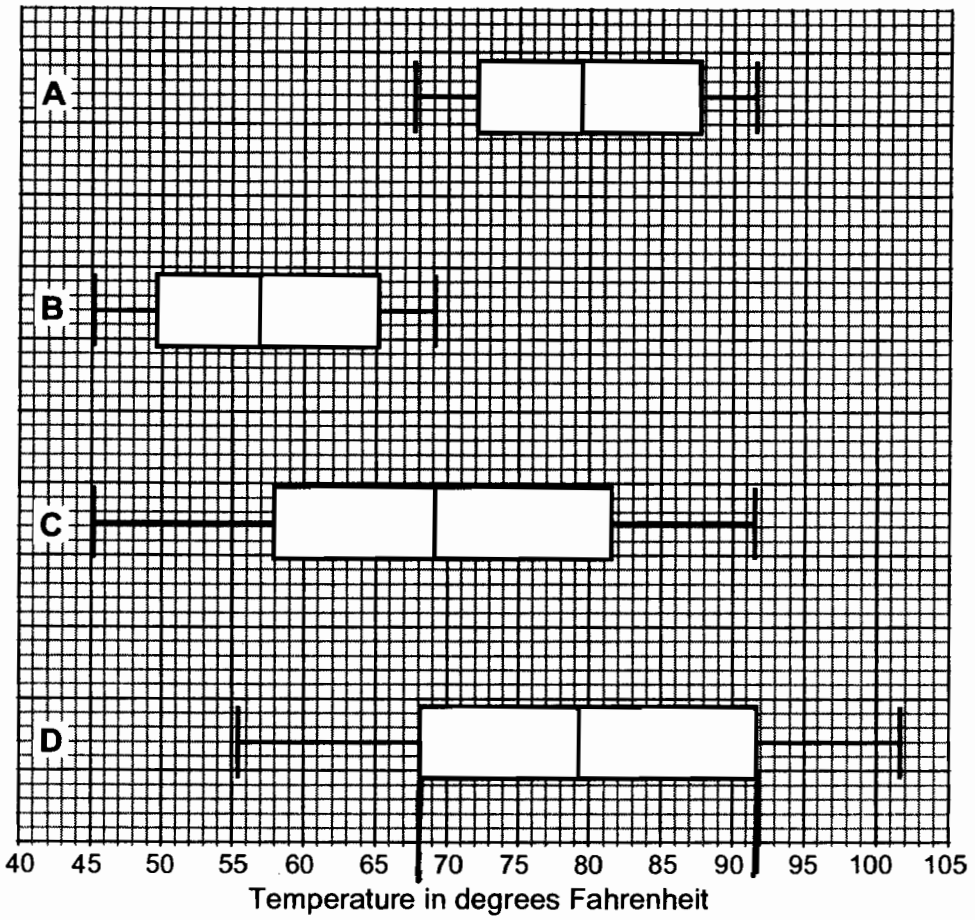
1. Write two statements about what is the same and what is different in the two sets of temperatures.

(i) - both have a steady increase then decrease

(ii) - California had greater temps

Box and whisker temperature diagrams

S1



2. Which of the four box diagrams shows the Washington temperatures? B

   Explain how you decided.

   - lowest is 45°
   - highest is 69°

3. Which of the four box diagrams shows the California temperatures? D

   For which months of the year is the maximum monthly temperature for California between the upper and the lower quartiles?

   Mar, Apr, May, Oct, Nov, maybe Sep

   Explain how you figured it out.

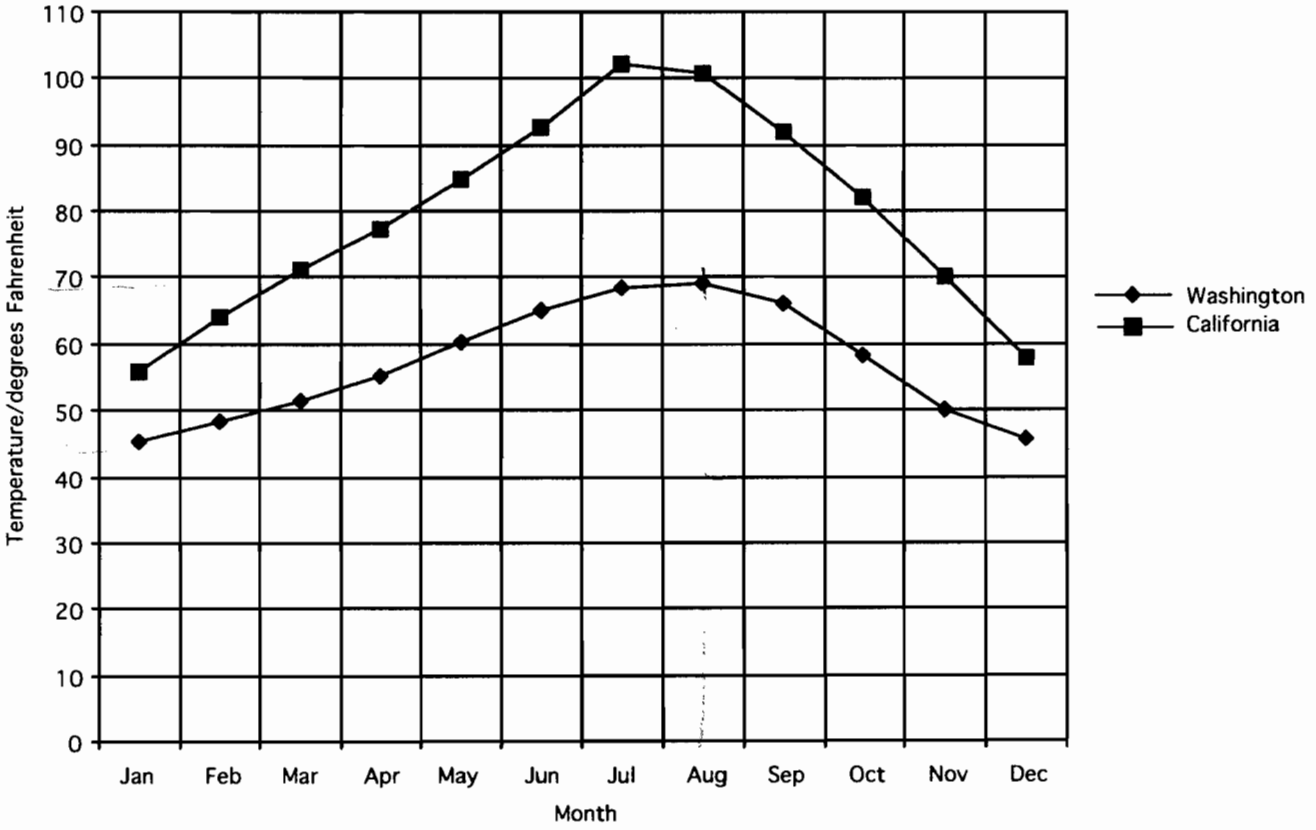
   - quartiles are 68 and 92 and looked on graph

Temperatures

This problem gives you the chance to:
• understand and interpret statistical graphs and diagrams showing real data

S2

This graph shows the highest average temperatures for each month of the year for one place in Washington and one place in California.



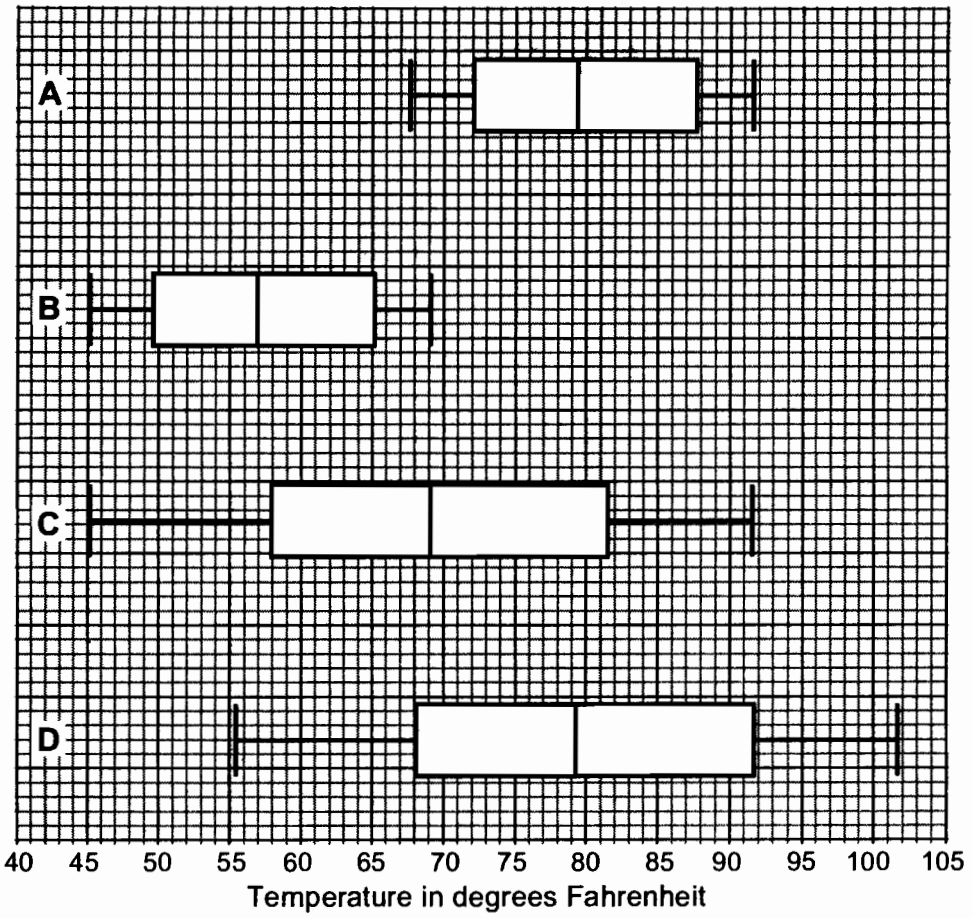
1. Write two statements about what is the same and what is different in the two sets of temperatures.

(i) California seams to always be atleast 10° farenheit above washington.

(ii) Washington has a slow incline in rising temp. wile california has a rapid increce in temp

Box and whisker temperature diagrams

S2



2. Which of the four box diagrams shows the Washington temperatures? B

Explain how you decided.

washington's low is 45°f and high is 69°f

3. Which of the four box diagrams shows the California temperatures? D

For which months of the year is the maximum monthly temperature for California between the upper and the lower quartiles?

apr. end ~~center~~ lines rise on Quarterleys center is medium

Explain how you figured it out.

very ends = range, center ends = quarterleys very center = medium

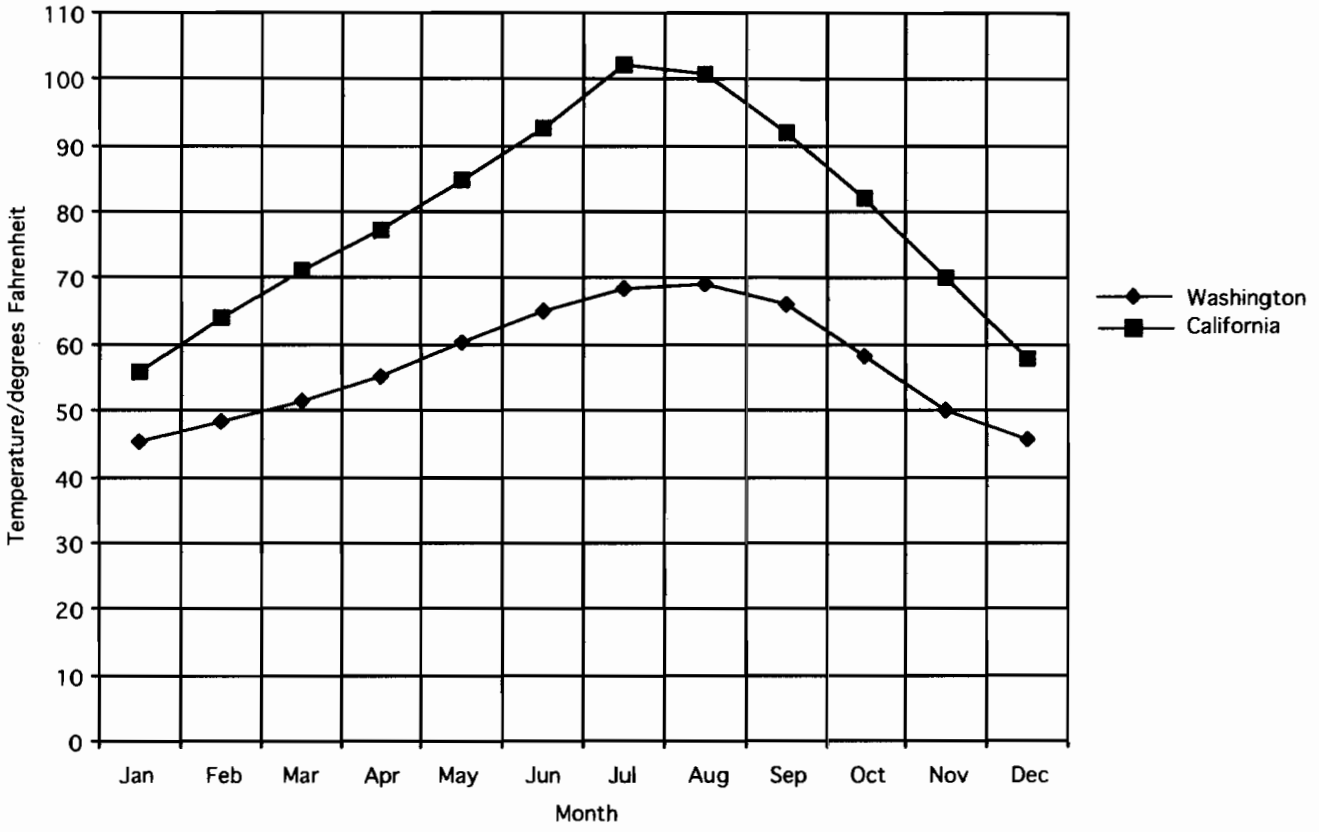
7

Temperatures

This problem gives you the chance to:
• understand and interpret statistical graphs and diagrams showing real data

S3

This graph shows the highest average temperatures for each month of the year for one place in Washington and one place in California.



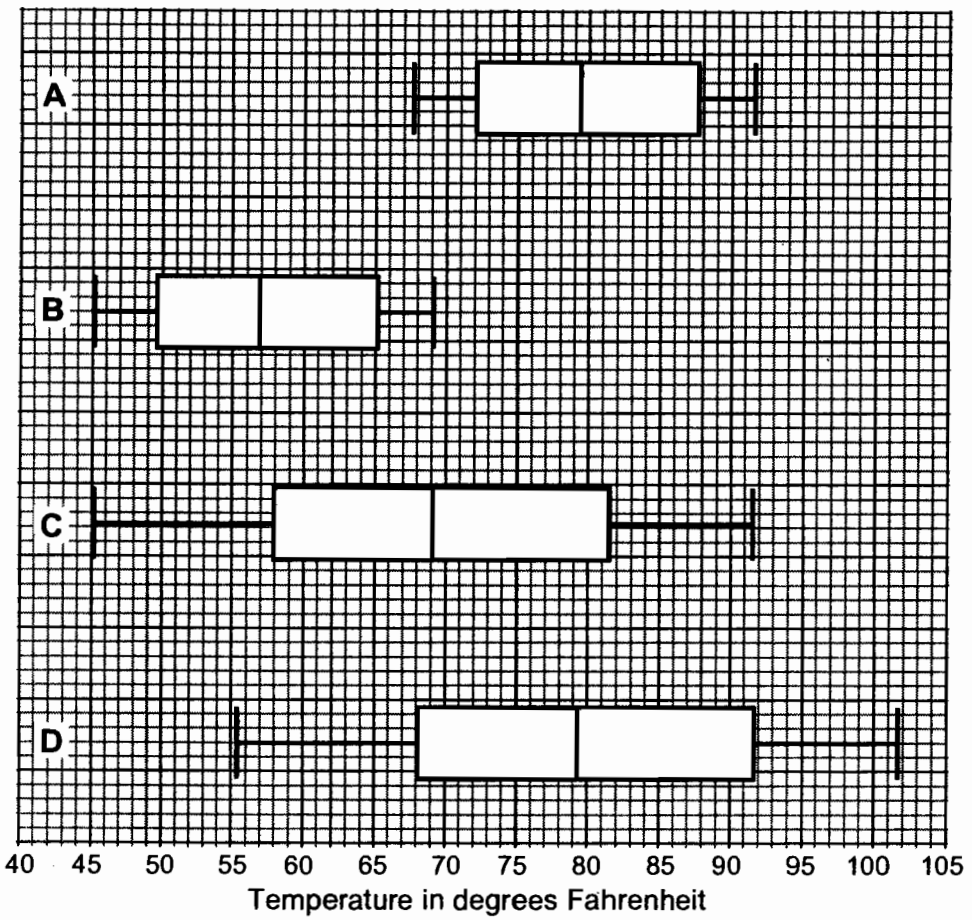
1. Write two statements about what is the same and what is different in the two sets of temperatures.

(i) Both places get warmer in April-August months.

(ii) The place in California is much warmer than the place in Washington all year round.

Box and whisker temperature diagrams

S3



2. Which of the four box diagrams shows the Washington temperatures? B

Explain how you decided.

shows increase but not a very large one.

3. Which of the four box diagrams shows the California temperatures? C

For which months of the year is the maximum monthly temperature for California between the upper and the lower quartiles?

June and september are the months.

Explain how you figured it out.

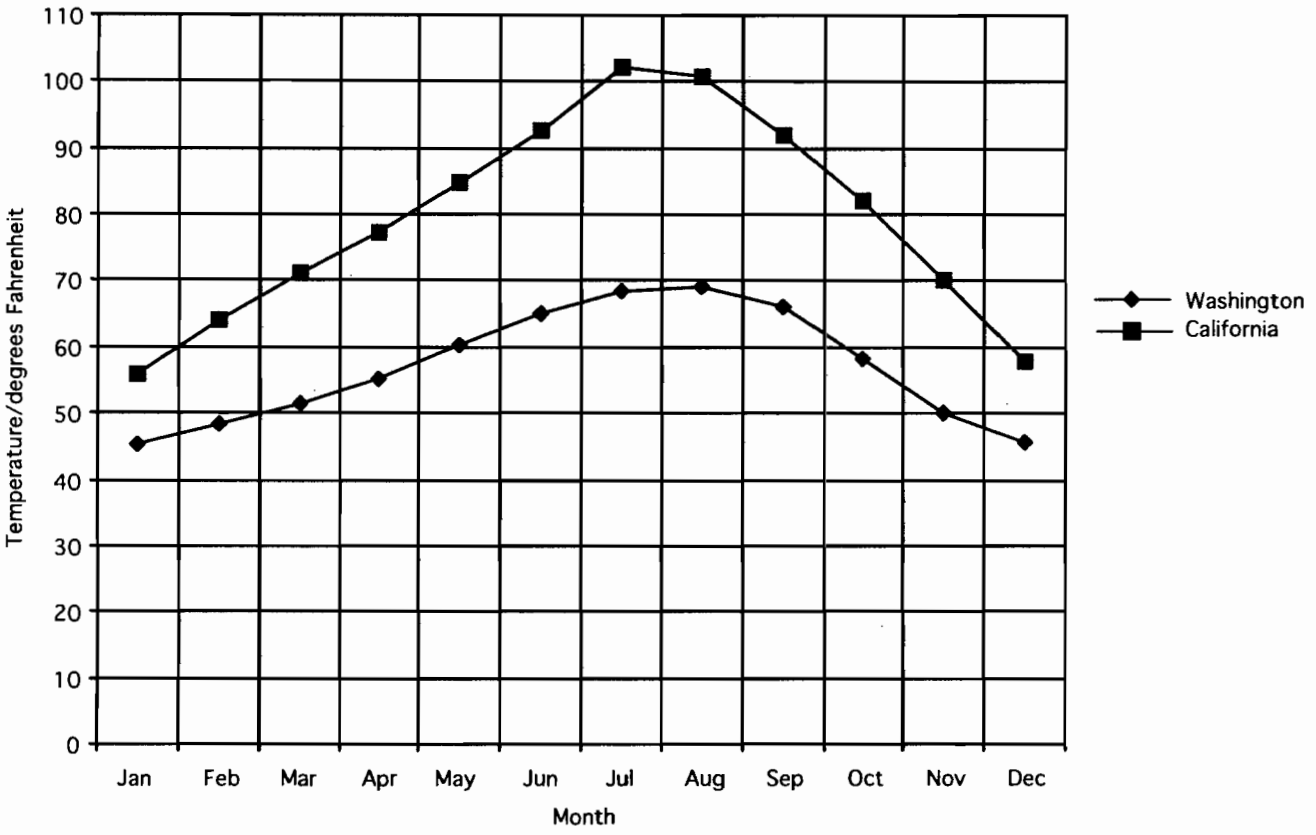
The two months show the start of change in California.

Temperatures

This problem gives you the chance to:
• understand and interpret statistical graphs and diagrams showing real data

S4

This graph shows the highest average temperatures for each month of the year for one place in Washington and one place in California.



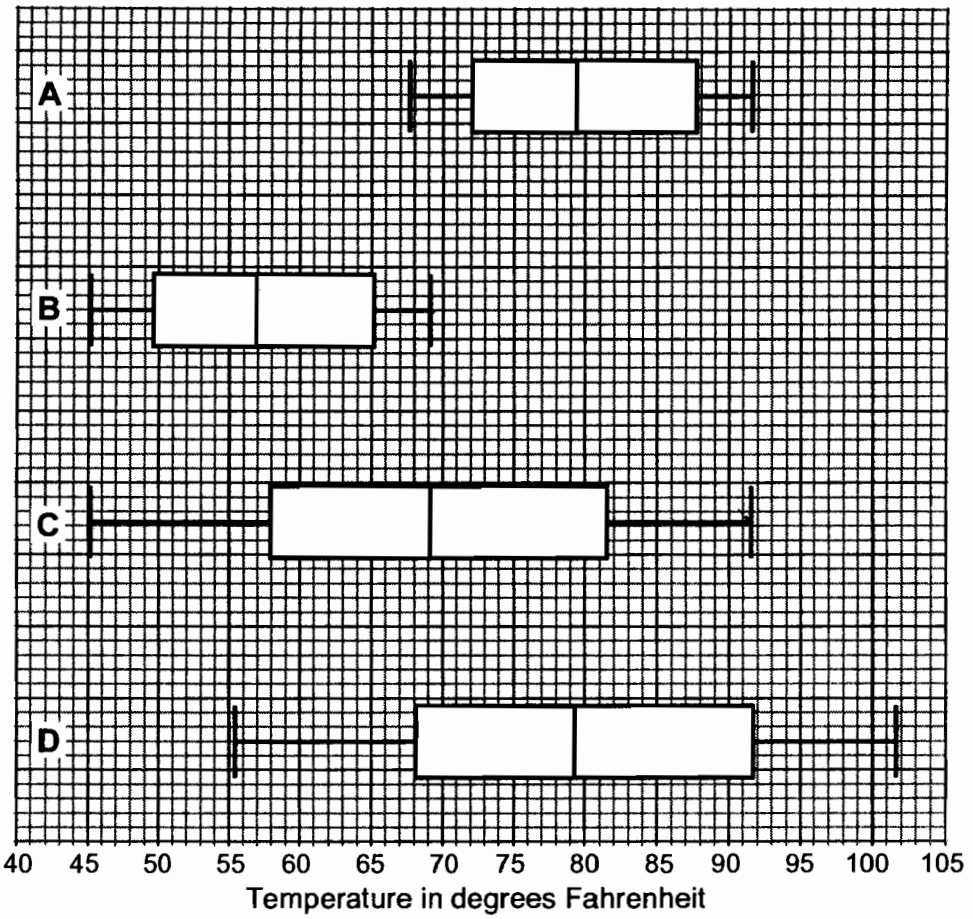
1. Write two statements about what is the same and what is different in the two sets of temperatures.

(i) Both sets of temperatures increased then decreased.

(ii) The California temperatures are higher than Washingtons temperatures.

Box and whisker temperature diagrams

S4



2. Which of the four box diagrams shows the Washington temperatures? B

Explain how you decided.

Most of the temperatures are between 45 + 70.

3. Which of the four box diagrams shows the California temperatures? D

For which months of the year is the maximum monthly temperature for California between the upper and the lower quartiles?

January and July

Explain how you figured it out.

The temperatures went from 55 to a high of 100 so that means the average is mostly between January + July

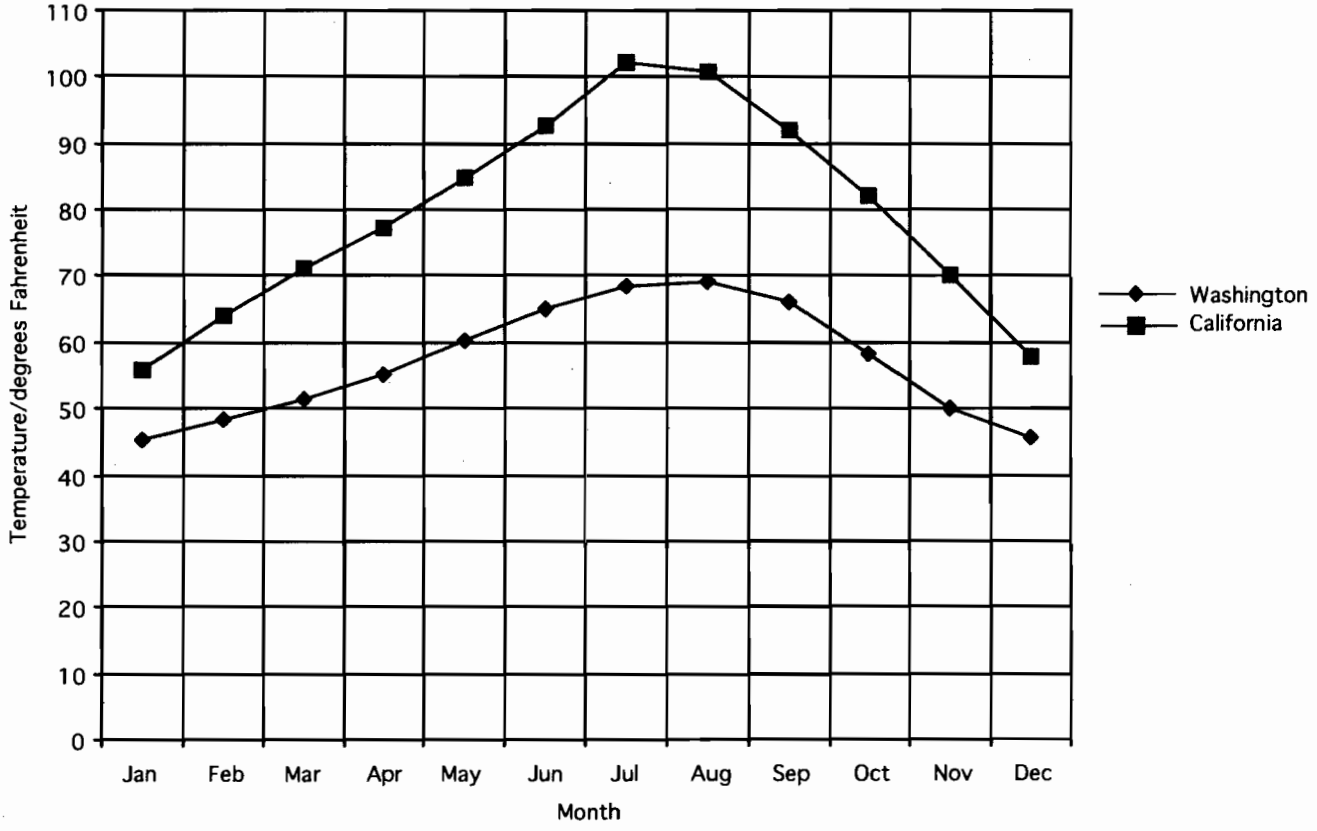
7

Temperatures

This problem gives you the chance to:
• understand and interpret statistical graphs and diagrams showing real data

S5

This graph shows the highest average temperatures for each month of the year for one place in Washington and one place in California.



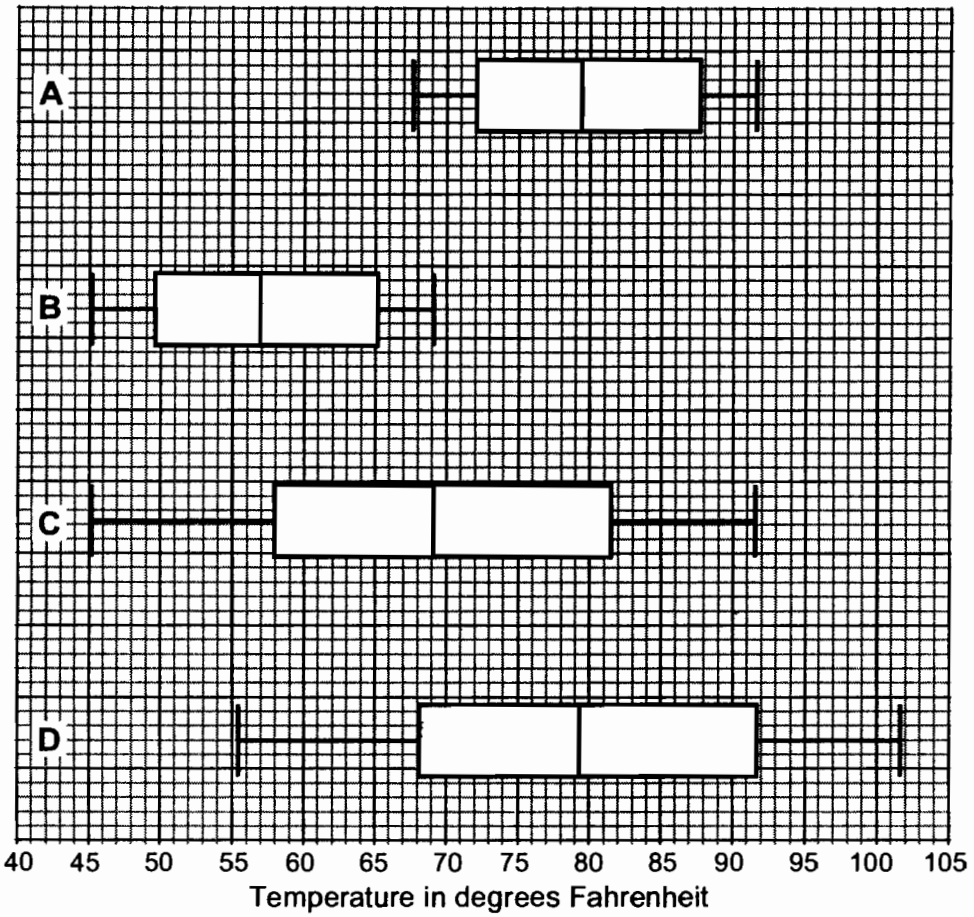
1. Write two statements about what is the same and what is different in the two sets of temperatures.

(i) The temperatures where taken on the same day at same time.

(ii) One is warmer and gets warm temperature than the other also ranges are diffirent.

Box and whisker temperature diagrams

S5



2. Which of the four box diagrams shows the Washington temperatures? B

Explain how you decided.
Its low was 45° and high 69°.

3. Which of the four box diagrams shows the California temperatures? D

For which months of the year is the maximum monthly temperature for California between the upper and the lower quartiles?
September June

Explain how you figured it out.
I looked at the graphsand figured aut the closest tempuratures.

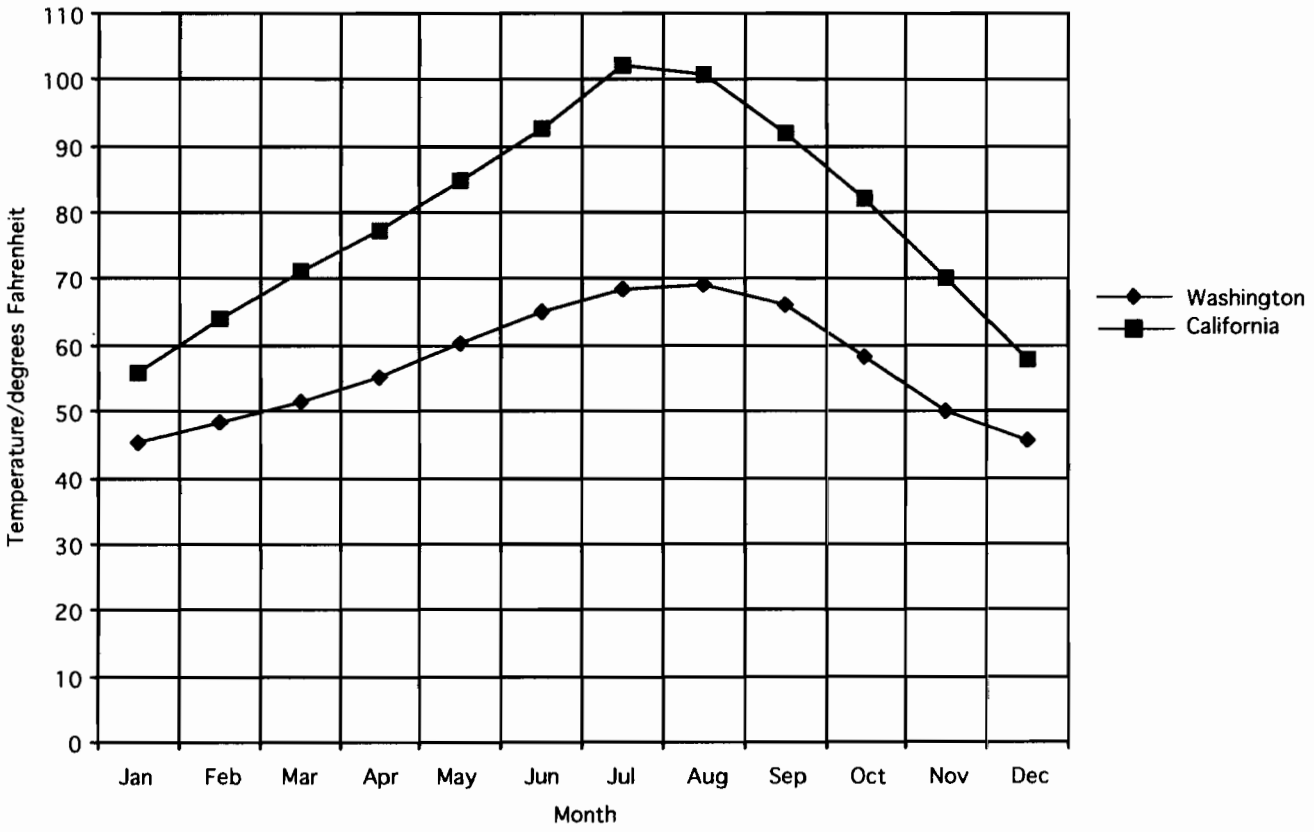
7

Temperatures

This problem gives you the chance to:
• understand and interpret statistical graphs and diagrams showing real data

S6

This graph shows the highest average temperatures for each month of the year for one place in Washington and one place in California.



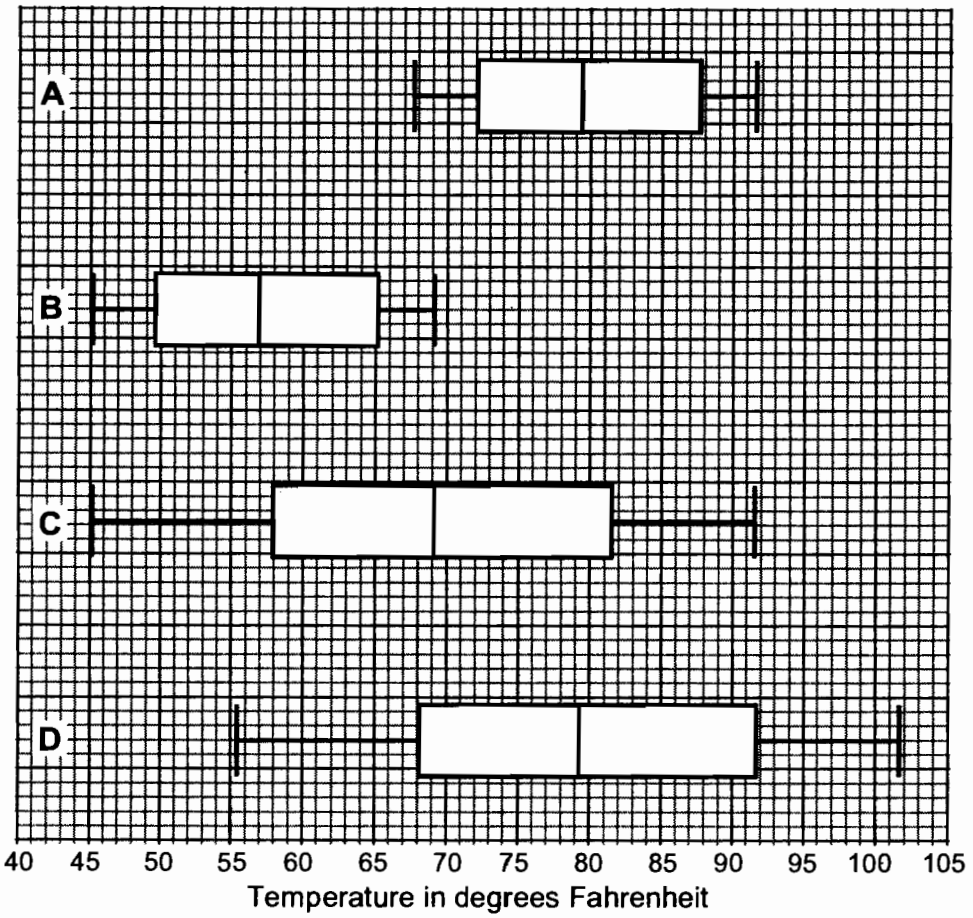
1. Write two statements about what is the same and what is different in the two sets of temperatures.

(i) The temperature in California changes at a quicker pace

(ii) The temperature change is more gradual in Washington

Box and whisker temperature diagrams

S6



2. Which of the four box diagrams shows the Washington temperatures? B

Explain how you decided.

The lowest is 45° + the highest is nearly 70°

3. Which of the four box diagrams shows the California temperatures? D

For which months of the year is the maximum monthly temperature for California between the upper and the lower quartiles?

February - June

August - November

Explain how you figured it out.

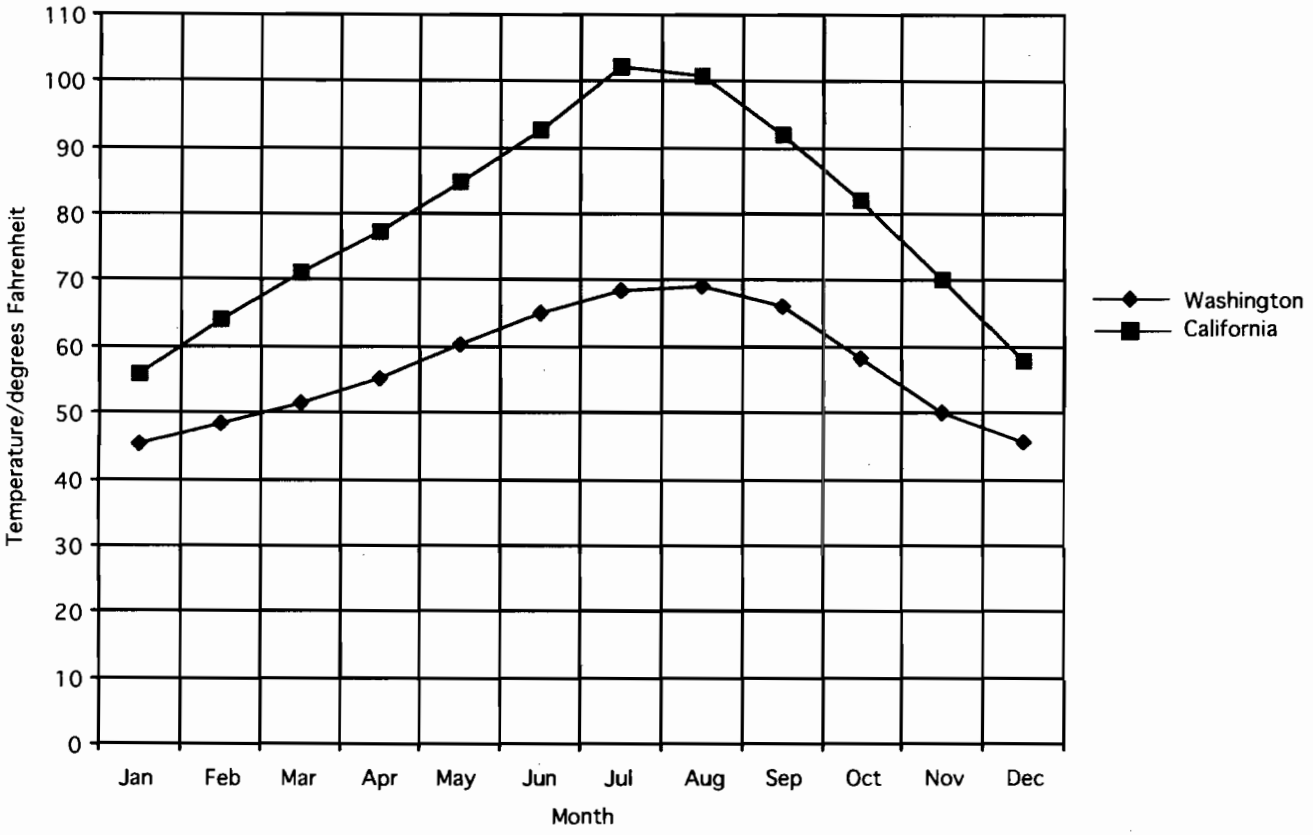
I looked at the chart

Temperatures

This problem gives you the chance to:
• understand and interpret statistical graphs and diagrams showing real data

S7

This graph shows the highest average temperatures for each month of the year for one place in Washington and one place in California.



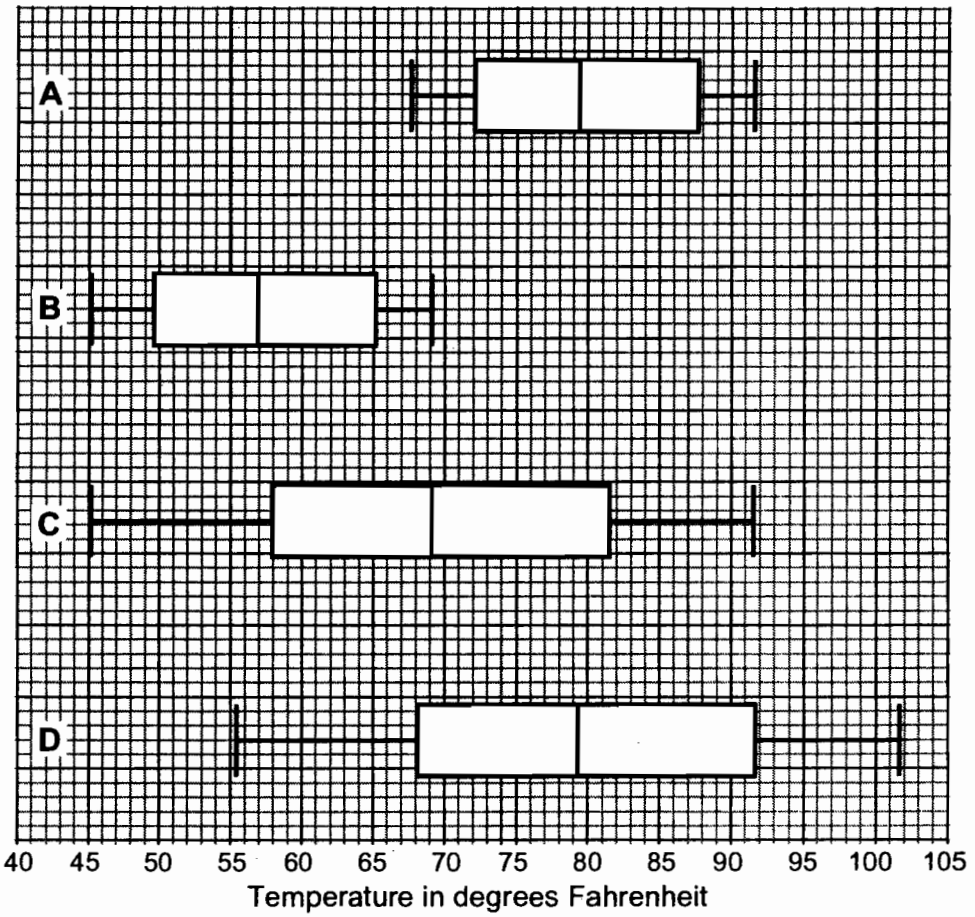
1. Write two statements about what is the same and what is different in the two sets of temperatures.

(i) Both increase and then decrease. Both are average temperatures

(ii) California's temperature raises more sharply. Washington maintains its temp. better

S7

Box and whisker temperature diagrams



2. Which of the four box diagrams shows the Washington temperatures? B

   Explain how you decided.

   It is more average

3. Which of the four box diagrams shows the California temperatures? C

   For which months of the year is the maximum monthly temperature for California between the upper and the lower quartiles?

   April-May

   Explain how you figured it out.

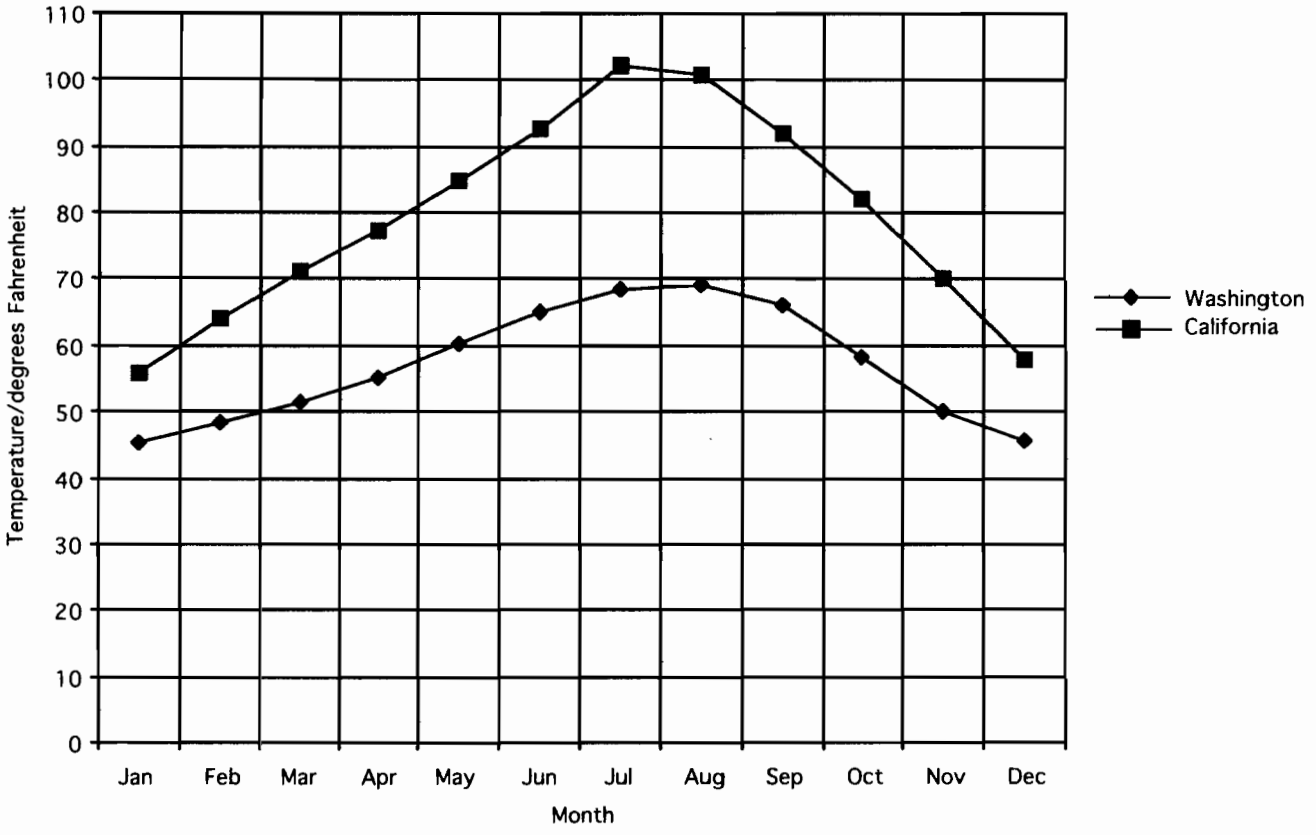
   It is around the overall average

Temperatures

This problem gives you the chance to:
• understand and interpret statistical graphs and diagrams showing real data

S8

This graph shows the highest average temperatures for each month of the year for one place in Washington and one place in California.



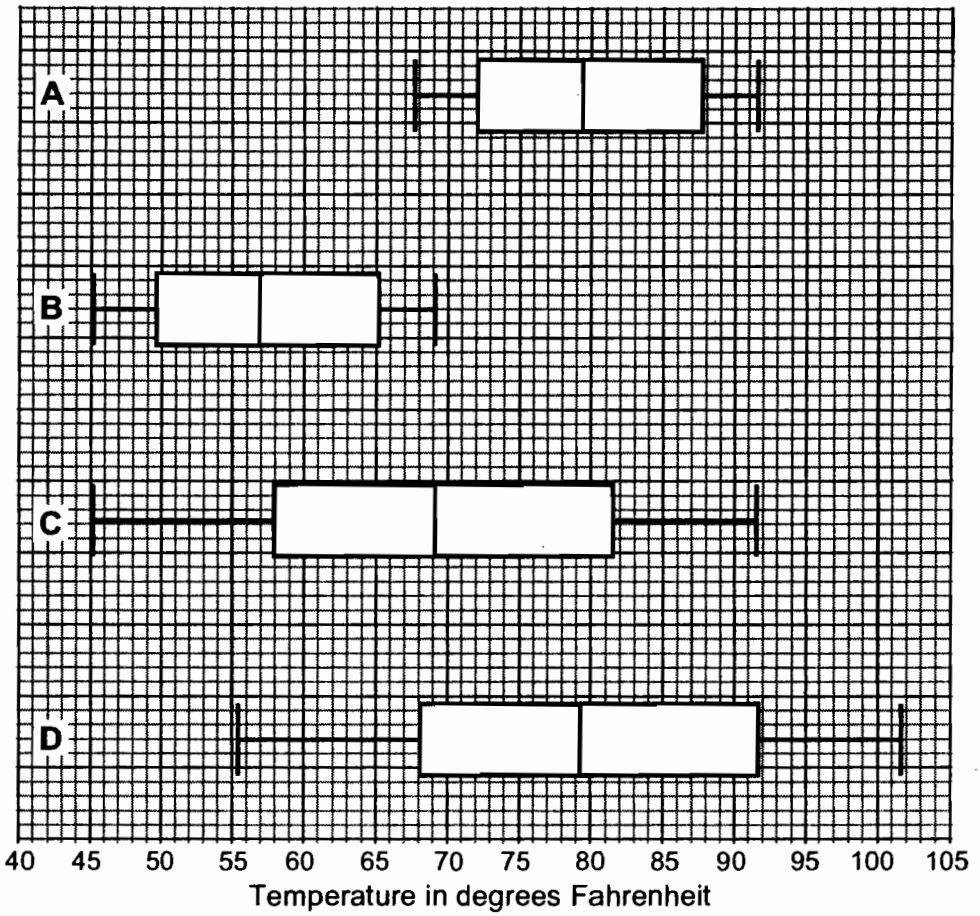
1. Write two statements about what is the same and what is different in the two sets of temperatures.

(i) they both increase than decrease

(ii) Washigton stays at a steady place

S8

Box and whisker temperature diagrams



2. Which of the four box diagrams shows the Washington temperatures? B

Explain how you decided.

Blc they stayed in the 40's-70's

3. Which of the four box diagrams shows the California temperatures? D

For which months of the year is the maximum monthly temperature for California between the upper and the lower quartiles?

Blc it's the only Box that flows up 2 100

Explain how you figured it out.

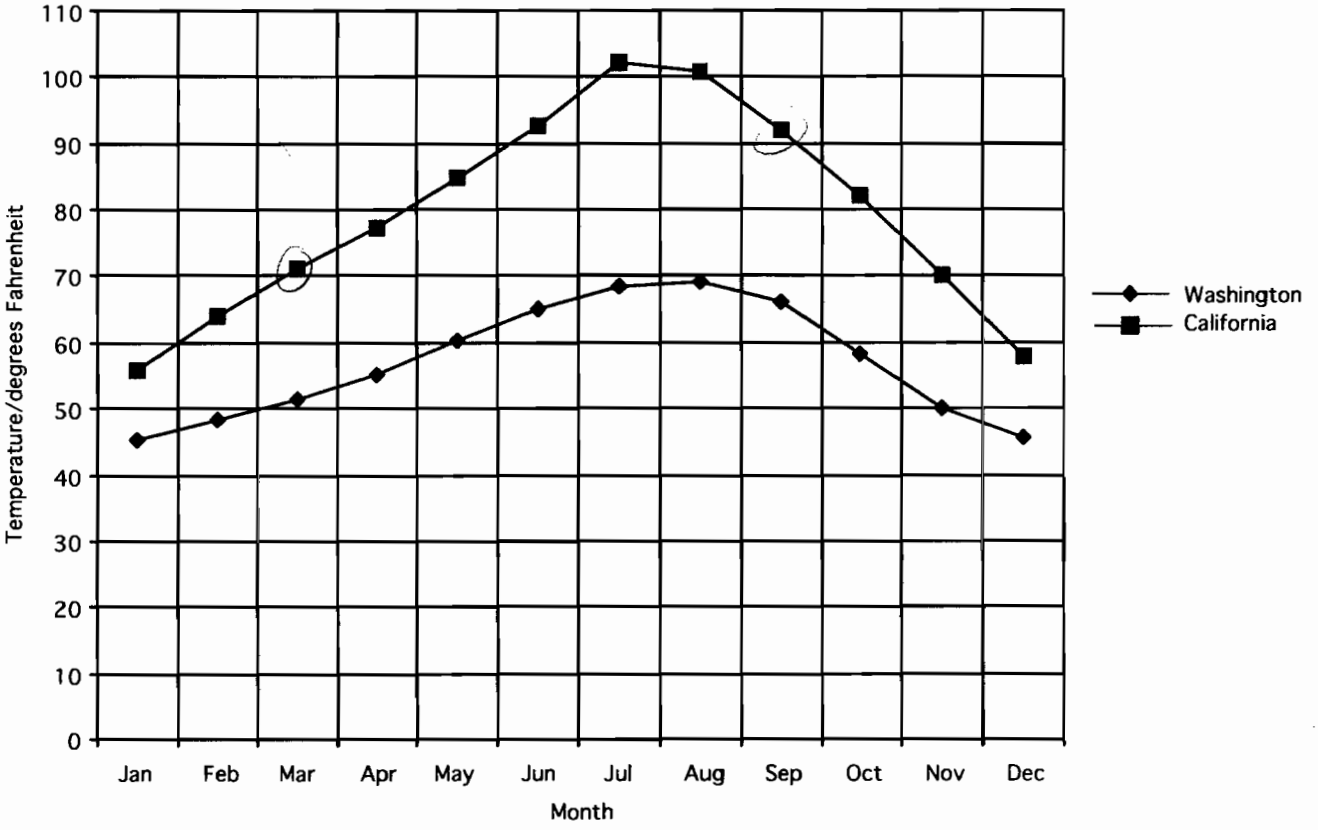
Summer time

Temperatures

S9

This problem gives you the chance to:
• understand and interpret statistical graphs and diagrams showing real data

This graph shows the highest average temperatures for each month of the year for one place in Washington and one place in California.



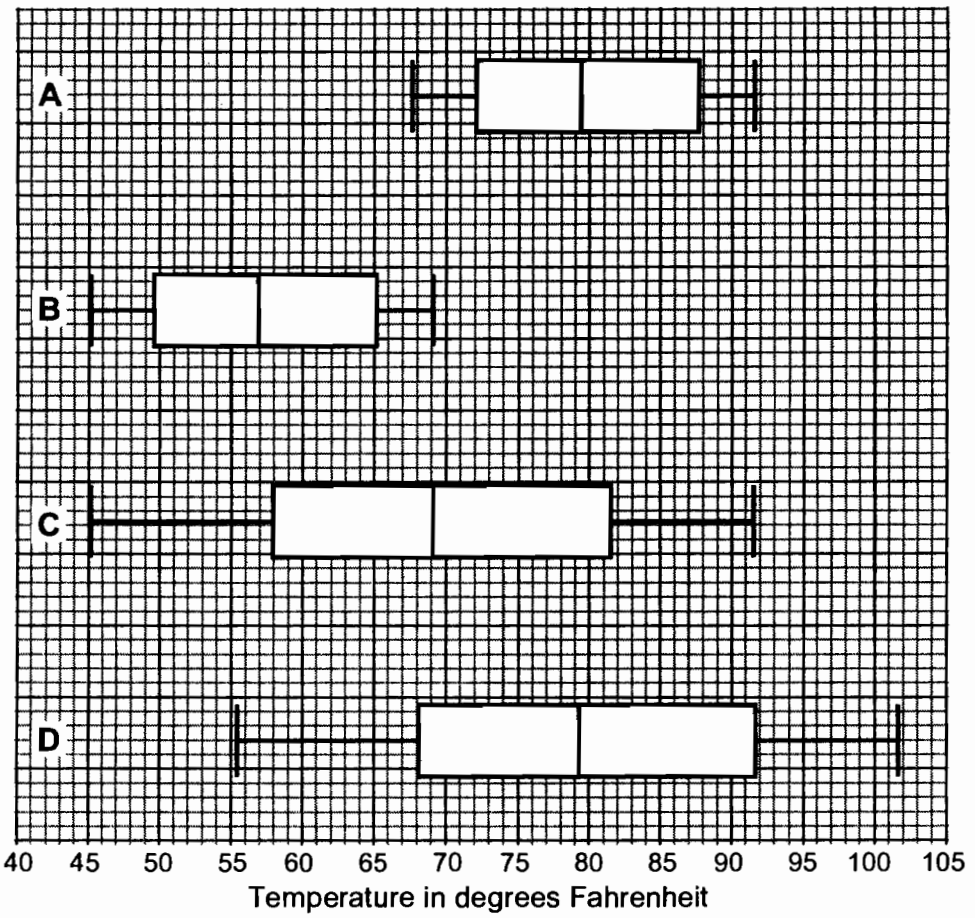
1. Write two statements about what is the same and what is different in the two sets of temperatures.

(i) Both states temperatures lows were in January. Both states temperatures rose over the summer and came back down in the winter

(ii) Washington's highest temperature was in Aug. California's highest temperature was in July

S9

Box and whisker temperature diagrams



2. Which of the four box diagrams shows the Washington temperatures? B

Explain how you decided.

The lowest temp. was 45 and the Higlest was 69

3. Which of the four box diagrams shows the California temperatures? D

For which months of the year is the maximum monthly temperature for California between the upper and the lower quartiles?

Mar. - Sep.

Explain how you figured it out.

The low quartile was about 68 and the upper quartik was about 92

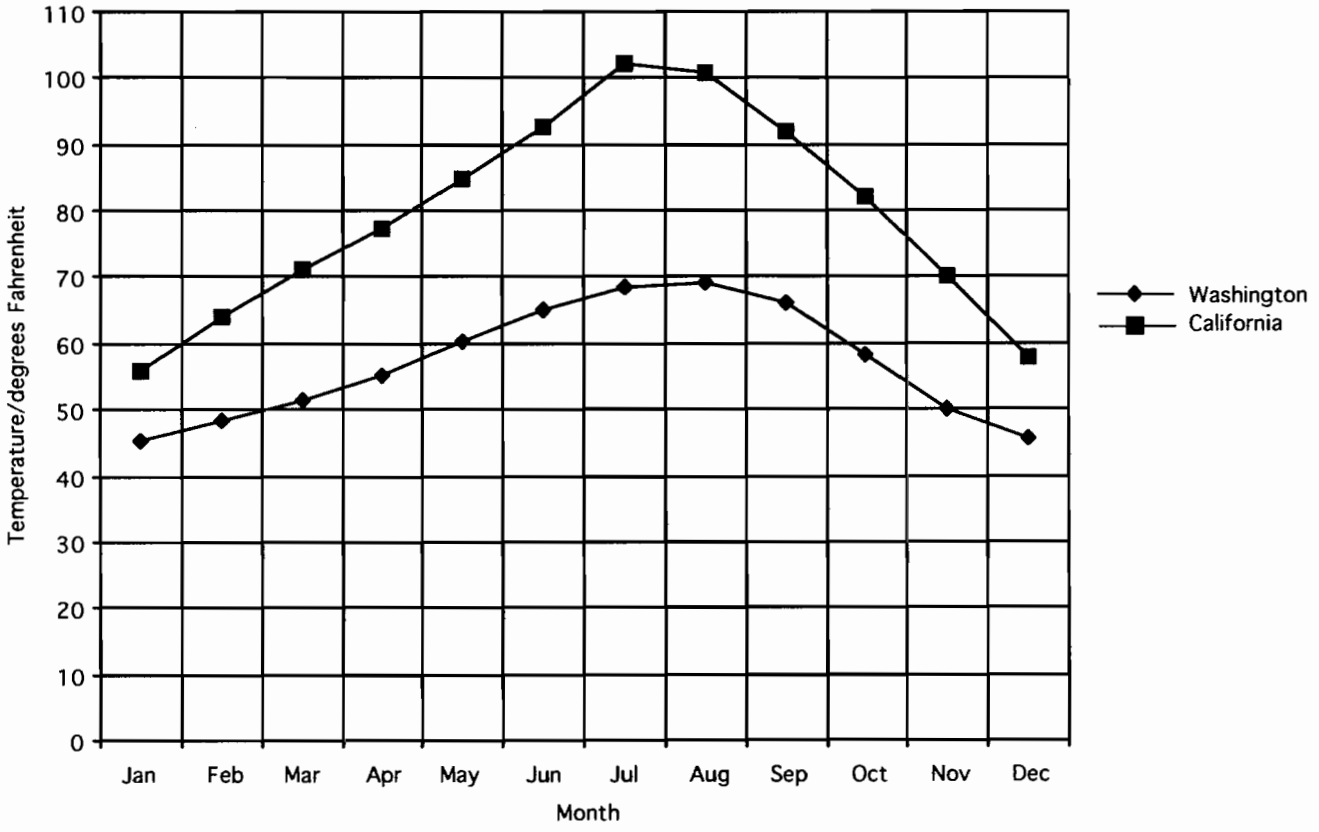
7

Temperatures

This problem gives you the chance to:
• understand and interpret statistical graphs and diagrams showing real data

S10

This graph shows the highest average temperatures for each month of the year for one place in Washington and one place in California.



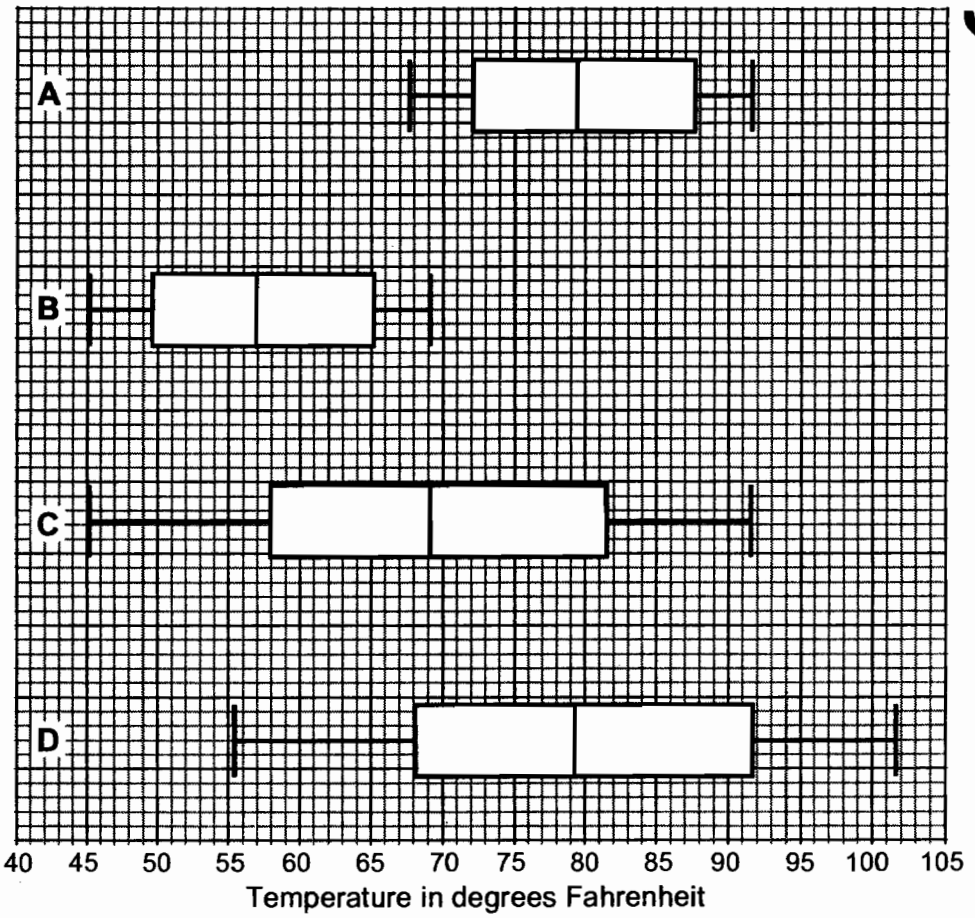
1. Write two statements about what is the same and what is different in the two sets of temperatures.

(i) The temperatures are increasing & then decreasing

(ii) Washington's temps. are colder than Cali's temps.

Box and whisker temperature diagrams

S10



2. Which of the four box diagrams shows the Washington temperatures? B

Explain how you decided.

The lowest temp in Wash. in ≈45 & the hottest was 69.

3. Which of the four box diagrams shows the California temperatures? D

For which months of the year is the maximum monthly temperature for California between the upper and the lower quartiles?

July (upper) and Jan. & Dec. (lower)

Explain how you figured it out.

I looked @ the graph

7