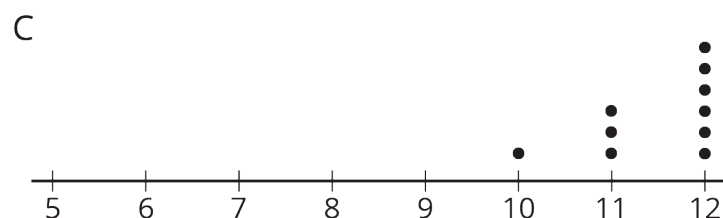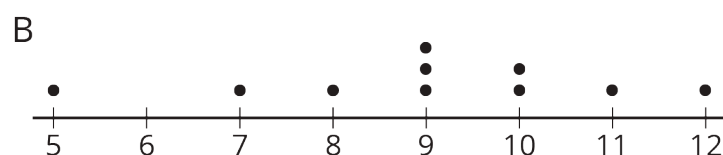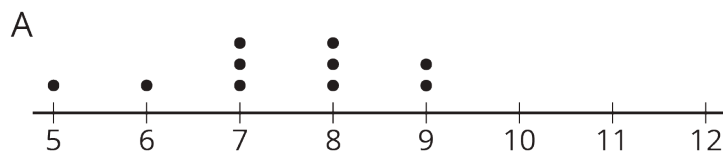## Lesson 2 Practice Problems

1. Three sets of data about ten sixth-grade students were used to make three dot plots. The person who made these dot plots forgot to label them. Match each dot plot with the appropriate label.

A

B

C
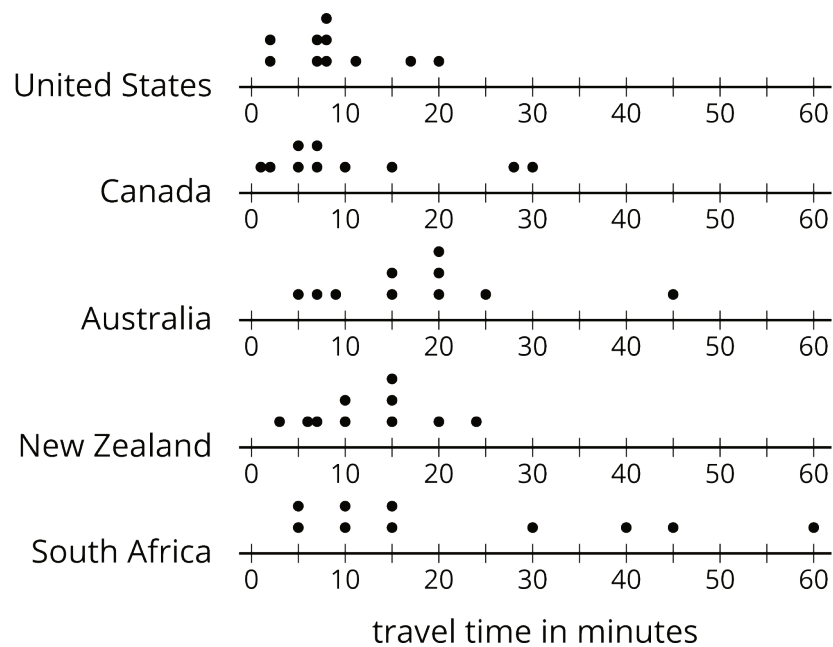

A. Dot Plot A

B. Dot Plot B

C. Dot Plot C

1. Ages in years

2. Numbers of hours of sleep on nights before school days

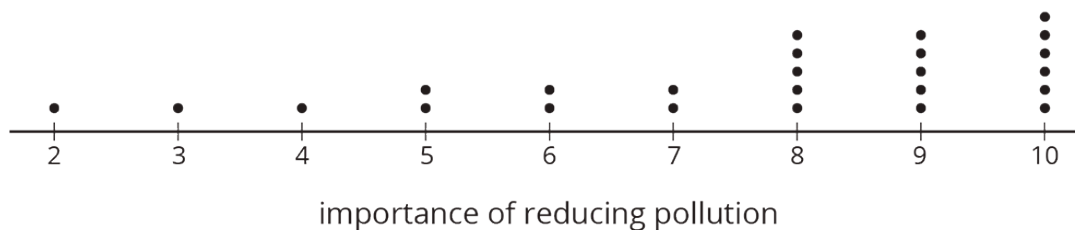3. Numbers of hours of sleep on nights before non-school days

2. The dot plots show the time it takes to get to school for ten sixth-grade students from the United States, Canada, Australia, New Zealand, and South Africa.

United States
```
0    10    20    30    40    50    60
```

Canada
```
0    10    20    30    40    50    60
```

Australia
```
0    10    20    30    40    50    60
```

New Zealand
```
0    10    20    30    40    50    60
```

South Africa
```
0    10    20    30    40    50    60
```

travel time in minutes

a. List the countries in order of *typical travel times*, from shortest to longest.

b. List the countries in order of *variability in travel times*, from the least variability to the greatest.

3. Twenty-five students were asked to rate—on a scale of 0 to 10—how important it is to reduce pollution. A rating of 0 means "not at all important" and a rating of 10 means "very important." Here is a dot plot of their responses.

importance of reducing pollution

Explain why a rating of 6 is *not* a good description of the center of this data set.

Accelerated 6 Unit 8
Lesson 2

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