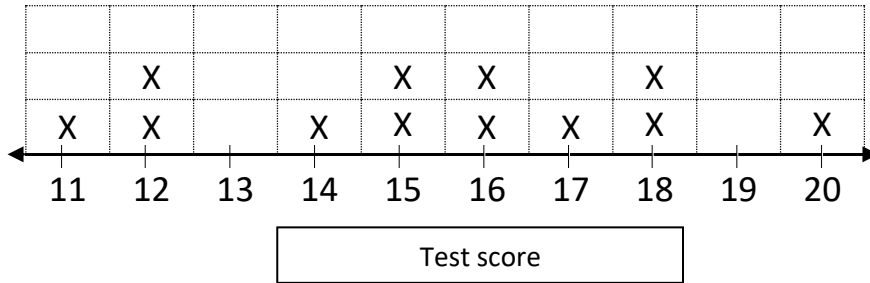Name   Date

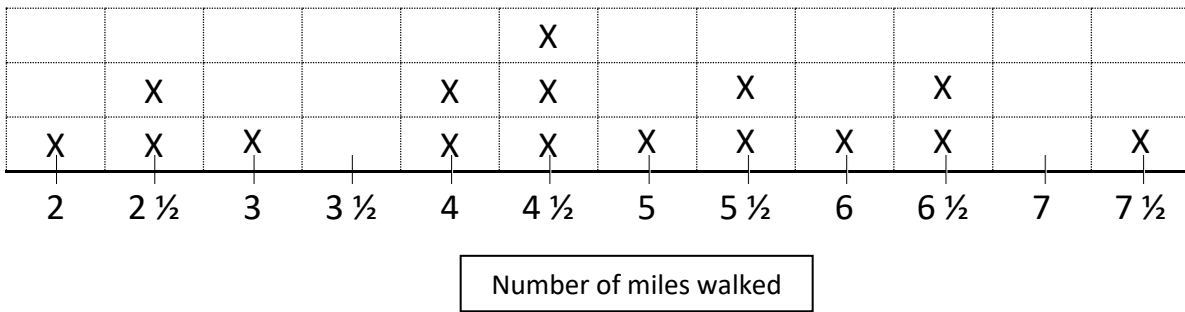# INTERPRETING LINE PLOTS SHEET 3:1

1) This line plot shows the scores of a group of 12 students in a Geography test.

		X			X	X		X			
X	X			X	X	X	X	X		X	
11	12	13	14	15	16	17	18	19	20

Test score

Tick the correct box about each of these statements.

Statement	True	False	Can't tell
The highest score recorded was 20.			
4 students scored more than 17.			
Half of the students scored fewer than 16.			

2) This line plot shows the number of miles walked in a day by a group of 16 people.

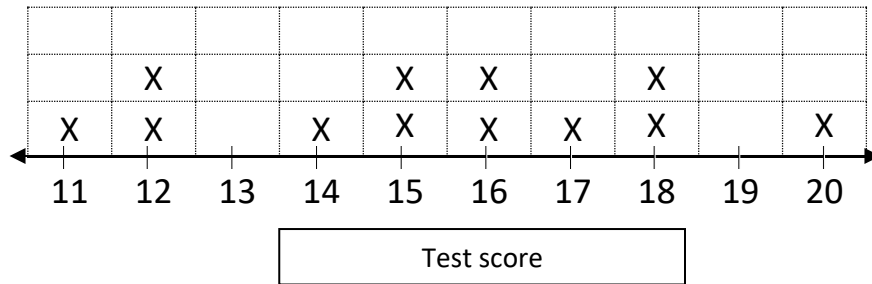|						X						
	X				X	X		X		X		
X	X	X		X	X	X	X	X	X		X
2	2½	3	3½	4	4½	5	5½	6	6½	7	7½

Number of miles walked

a)   How far did the person who walked furthest walk? _____ miles

b)   How far did the 3 people who walked the shortest distance walk altogether?

_____.

c)   Three people walked the same distance. What was the distance? _____

d)   More than half the people walked less than 5 miles. Is this true? _____

e)   How much further did the person who walked the furthest walk than the person who

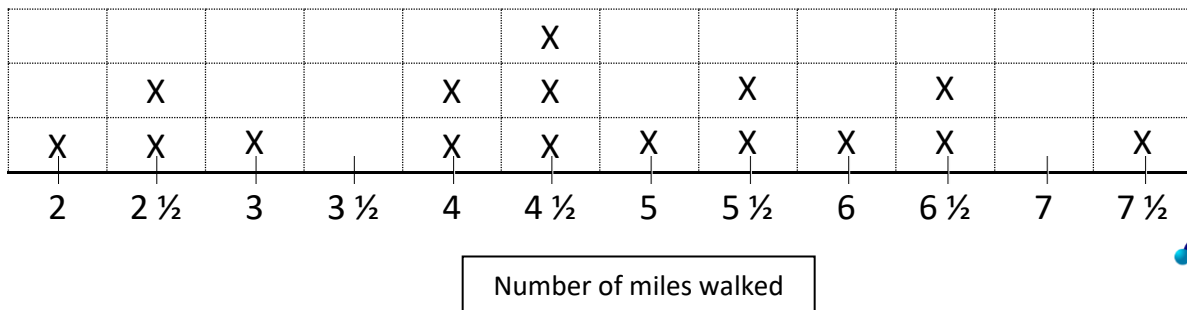walked least far? _____

INTERPRETING LINE PLOTS SHEET 3:1 ANSWERS

1) This line plot shows the scores of a group of 12 students in a Geography test.

```
          X              X    X              X
     X    X         X    X    X    X    X              X
  ◄──┬────┬────┬────┬────┬────┬────┬────┬────┬────┬──►
    11   12   13   14   15   16   17   18   19   20
```

Test score

Tick the correct box about each of these statements.

Statement	True	False	Can't tell
The highest score recorded was 20.	✓		
4 students scored more than 17.		✓	
Half of the students scored fewer than 16.	✓		

2) This line plot shows the number of miles walked in a day by a group of 16 people.

```
                              X
          X              X    X              X              X
     X    X    X         X    X    X    X    X    X              X
  ◄──┬────┬────┬────┬────┬────┬────┬────┬────┬────┬────┬────┬──►
     2   2½    3   3½    4   4½    5   5½    6   6½    7   7½
```

Number of miles walked

f) How far did the person who walked furthest walk? <u>7 ½</u> miles

g) How far did the 3 people who walked the shortest distance walk altogether? <u>2 + 2 ½ + 2 ½ = 2 + 5 = 7 miles</u>

h) Three people walked the same distance. What was the distance? <u>4 ½ miles</u>

i) More than half the people walked less than 5 miles. Is this true? <u>9 out of 16 people walked less than 5 miles so it is true.</u>

j) How much further did the person who walked the furthest walk than the person who walked least far? <u>7 ½ - 2 = 5 ½ miles</u>