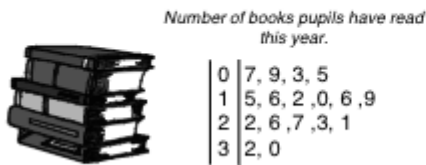


Answer the questions below the questions :)

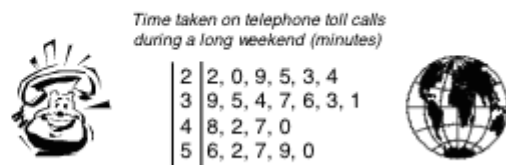
Understanding Stem & Leaf Graphs

Task 9

1. List the numbers that are represented in these **stem & leaf** graphs.



2. How many pupils in the class?



3. What were the longest and shortest toll calls?

Creating Stem & Leaf Graphs

Task 10

A survey was conducted to find out how much families spent on 'take-aways' each week. The results are shown in this box below (rounded to the nearest dollar).



\$12, \$16, \$12, \$9, \$13,
\$17, \$24, \$21, \$14, \$29,
\$8, \$17, \$14, \$22, \$19,
\$25, \$16, \$12, \$20, \$11

1. Create a **stem & leaf** graph for these results.
2. What was the least amount spent on 'take-aways'?
3. How many families were surveyed?



A class was given a test to find out how well they knew their basic multiplication facts. The results are shown in Box A.

4. Create a **stem & leaf** graph for the results in Box A.
5. What were the lowest and highest marks in the test?

Box A

41, 37, 28, 31, 37, 39, 41,
27, 31, 26, 34, 27, 39, 28,
25, 36, 37, 42, 24, 39, 31,
28, 35, 37, 42, 29, 24, 30

The class was given two weeks to relearn the basic multiplication facts before being given the same test again. The results of the second test are shown in Box B.

6. Create a **stem & leaf** graph for the results in Box B.
7. What were the new lowest and highest marks in the second test?
8. What do you think the test was out of?
9. Did the class improve? Can you tell this from looking at the two stem and leaf graphs? Explain your answer.

Box B

29, 36, 39, 42, 48, 46, 38,
45, 37, 32, 46, 50, 41, 39,
37, 29, 36, 48, 46, 32, 46,
37, 30, 46, 40, 46, 37, 34

