

Stem and Leaf diagrams

A stem and leaf diagram to show the heights of 10M7

~~176~~ ~~175~~ ~~182~~
~~161~~ ~~177~~ ~~172~~
~~179~~ ~~174~~ ~~169~~
~~183~~ ~~160~~ ~~178~~

16 | 1 0 9
17 | 6 9 5 7 4 2 8
18 | 3 2

16 | 0 1 9
17 | 2 4 5 6 7 8 9
18 | 2 3
key: 16 | 0 represents 160

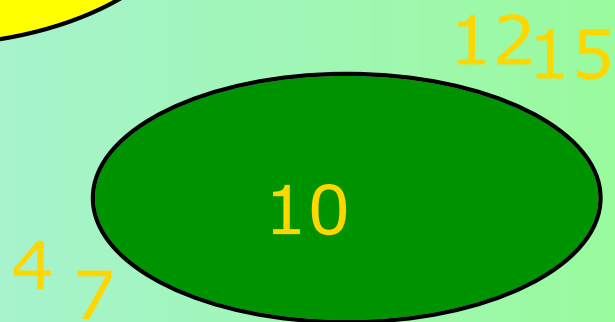
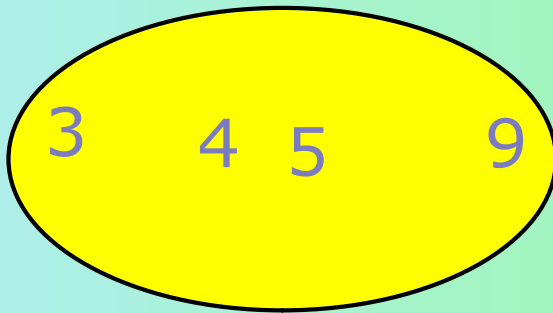
Stem and leaf diagrams are useful for ordering data.

A stem and leaf diagram to show how long members of 10M7 can hold their breath.



Medians

Find the median of these sets of data.

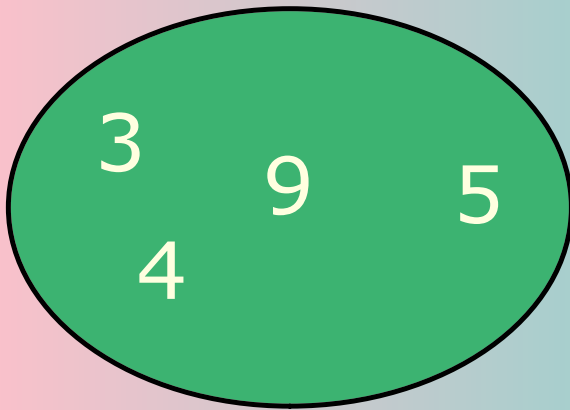


pages 48-49
even nos only

A2, B2
B4, B6

Finding the mean from a stem and leaf diagram

Range

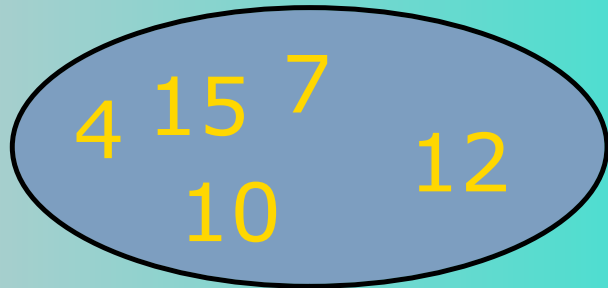


Biggest-smallest

$$9 - 3 = 6$$

=

$$15 - 4 = 11$$



page 50

C1, C3, C5

Data project

Do boys in year 10 have bigger feet than girls?

What is the favourite TV program among people in year 10?

Which is the favourite shop among year 10 girls?

How many hours a night do people spend doing homework?

How many pairs of shoes do you own?

Collect at least 20 pieces of data for your display.

I want to find out if people dislike sport as much as me.

- 1. How old are you? young, middle aged or old?**
- 2. Do you think sport is a waste of time?**
- 3. Do you think football players are paid too much, and it would be better to give the money to the poor?**
- 4. Do you agree that it is wrong to make all students do sport?**
- 5. Does sport mess up your make up?**

Wednesday 9th November

1. Write 2 or 3 questions to collect data for your project.

Try them out on someone else in here.

Draw tally charts for when you have collected the data.

2. Start the display work.

Take a large piece of paper and make the title and any decorations.

Write an introduction to explain what you are trying to find out.

Collect data for
project for tomorrow.

Friday 11th Nov

Finish your display.

Draw any more tables or graphs that you need.

If you can, work out some averages.

Write a conclusion.