Mathematics

KS4 Success Evening

Inspire excellence, fulfilling potential

Parent test …

Name: _____ 5-a-day Foundation Plus

31st October

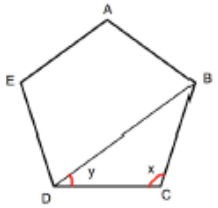
Corbettmaths

Factorise $y^2 - 64$

The diagram shows two lighthouses.
A boat is within than 5 miles of lighthouse A.
The same boat is within 4 miles of lighthouse B.
Shade the possible area in which the boat could be.

Shown below is a regular pentagon ABCDE.

Work out angles x and y



Calculate the gradient of the straight line passing through (0, 3) and (4, 11).

Write down the equation of the line.

Website for these:
http://corbettmaths.com/5-a-day/gcse/

GCSE Maths

- Exam board = AQA 8300 9-1 GCSE
- Two tiers of entry: Higher 9-4 / Foundation 5-1
- The exam will consist of three 90 min papers
  - Paper 1 (calc), Paper 2 (non-calc), Paper 3 (calc)
- Six areas of maths:
  - Number
  - Ratio & proportion
  - Geometry (shape and space)
  - Algebra
  - Statistics
  - Probability

Old style questions

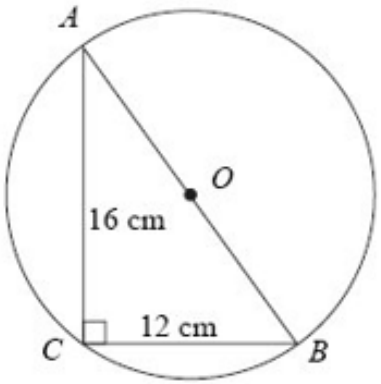


Diagram **NOT** accurately drawn

The diagram shows triangle ABC and a circle, centre O.

A, B and C are points on the circumference of the circle.

AB is a diameter of the circle.

$AC = 16$ cm and $BC = 12$ cm.

(a) Angle $ACB = 90°$.
Give a reason why.

..... (1)

(b) Work out the diameter AB of the circle. .....cm (3)

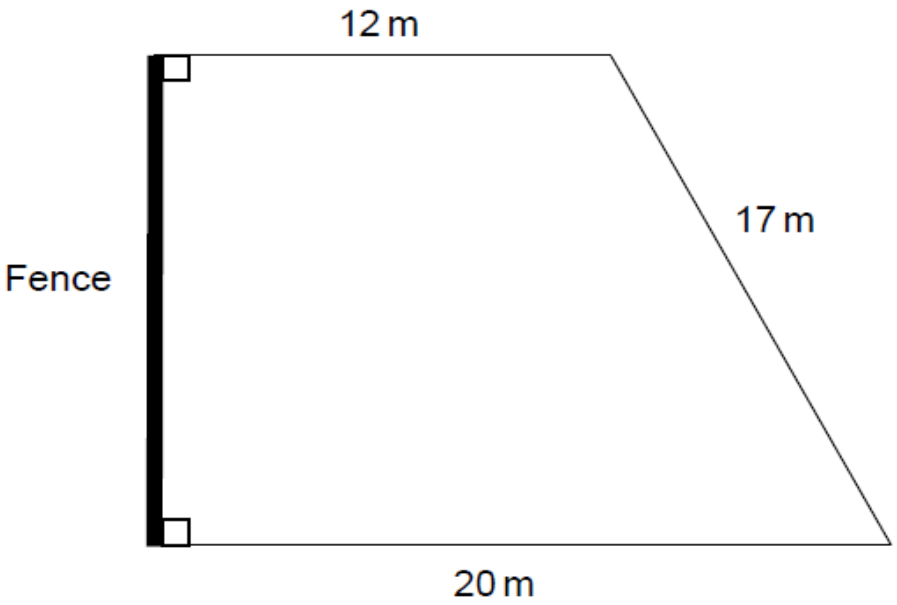
(c) Work out the area of the circle.
Give your answer correct to 3 significant figures. .....cm^2 (3)

(Total 7 marks)

Diagram clear has a right angled triangle and is in a familiar setting

New style of Questions

The diagram shows a lawn with a fence along one edge.



Not drawn accurately

There is no triangle in the diagram

One can of weedkiller covers 90 square metres.

Each can costs £19.25

Work out the total cost of the cans of weedkiller needed to cover the lawn.

[5 marks]

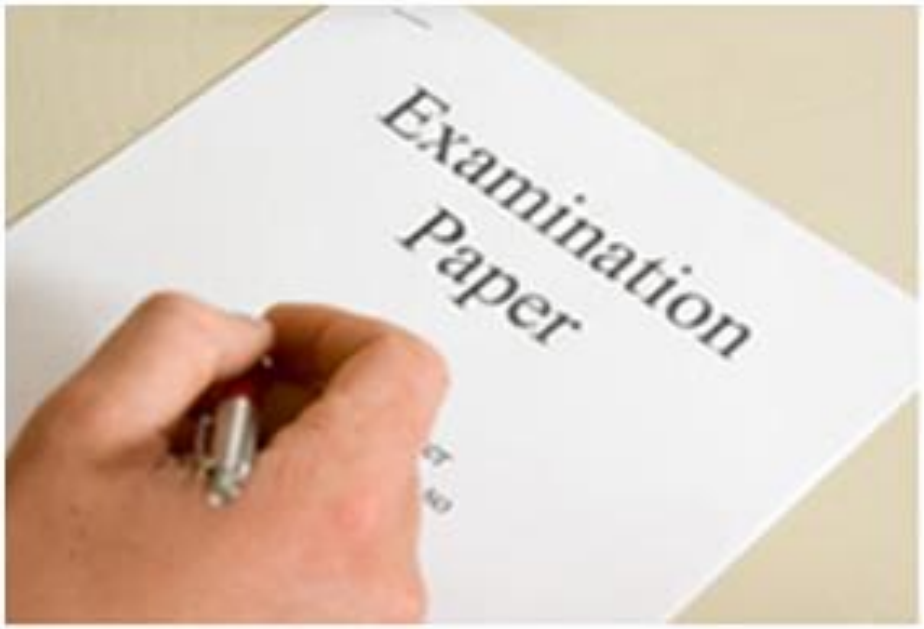
PRACTICE does makes perfect in maths

NOTE:

If your child says that they have no maths to complete, this will not be true.

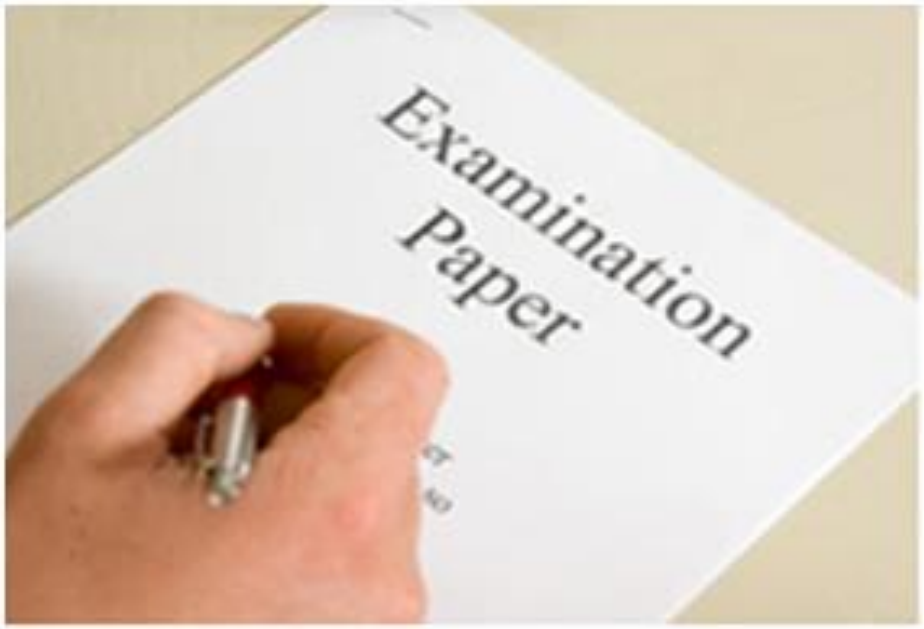
What should your child be doing?

- Practice papers in Maths are probably the best way to revise.
- Complete as many as possible.
- Learn from any mistakes by looking through the mark schemes.

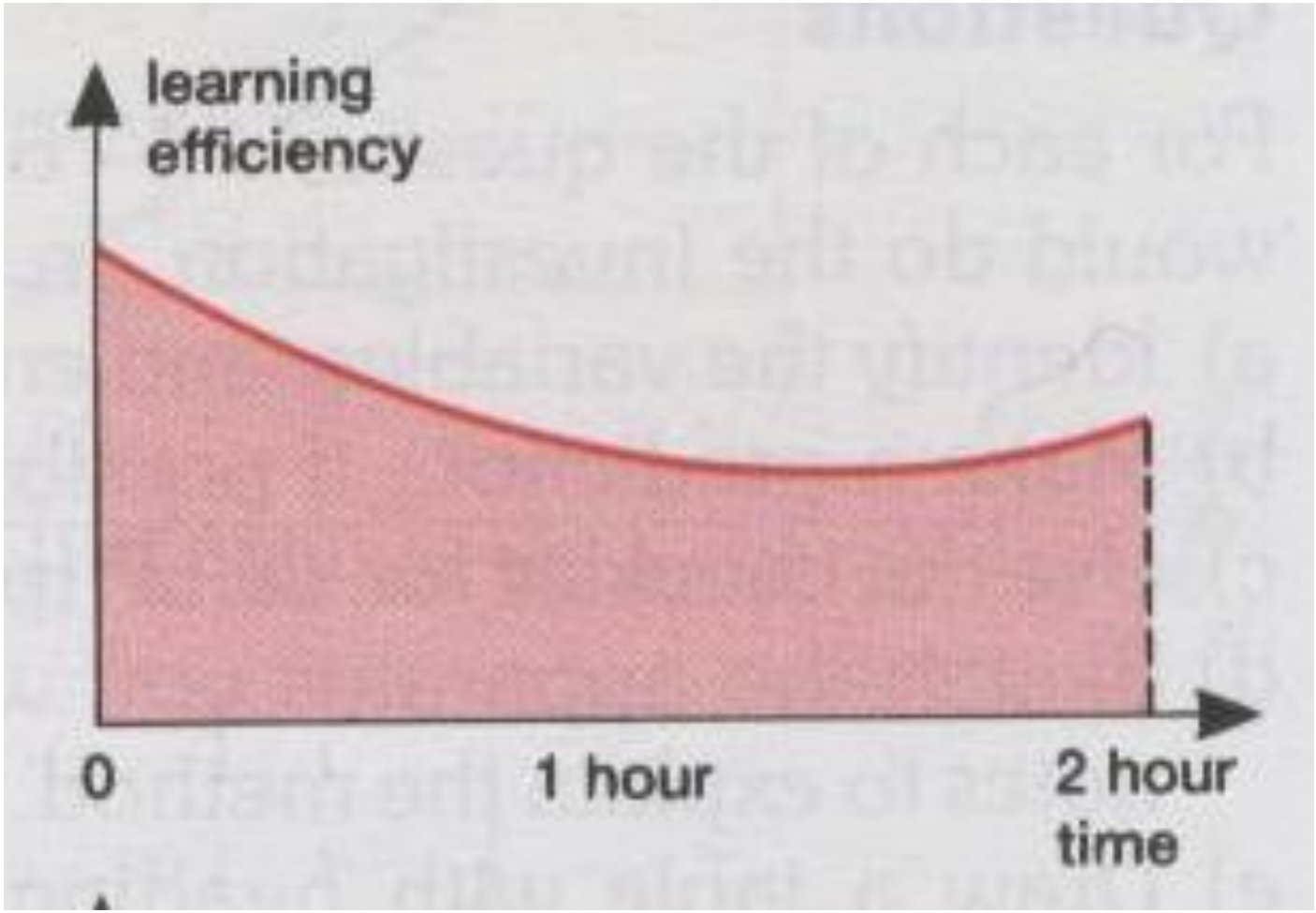


What can you do to help?

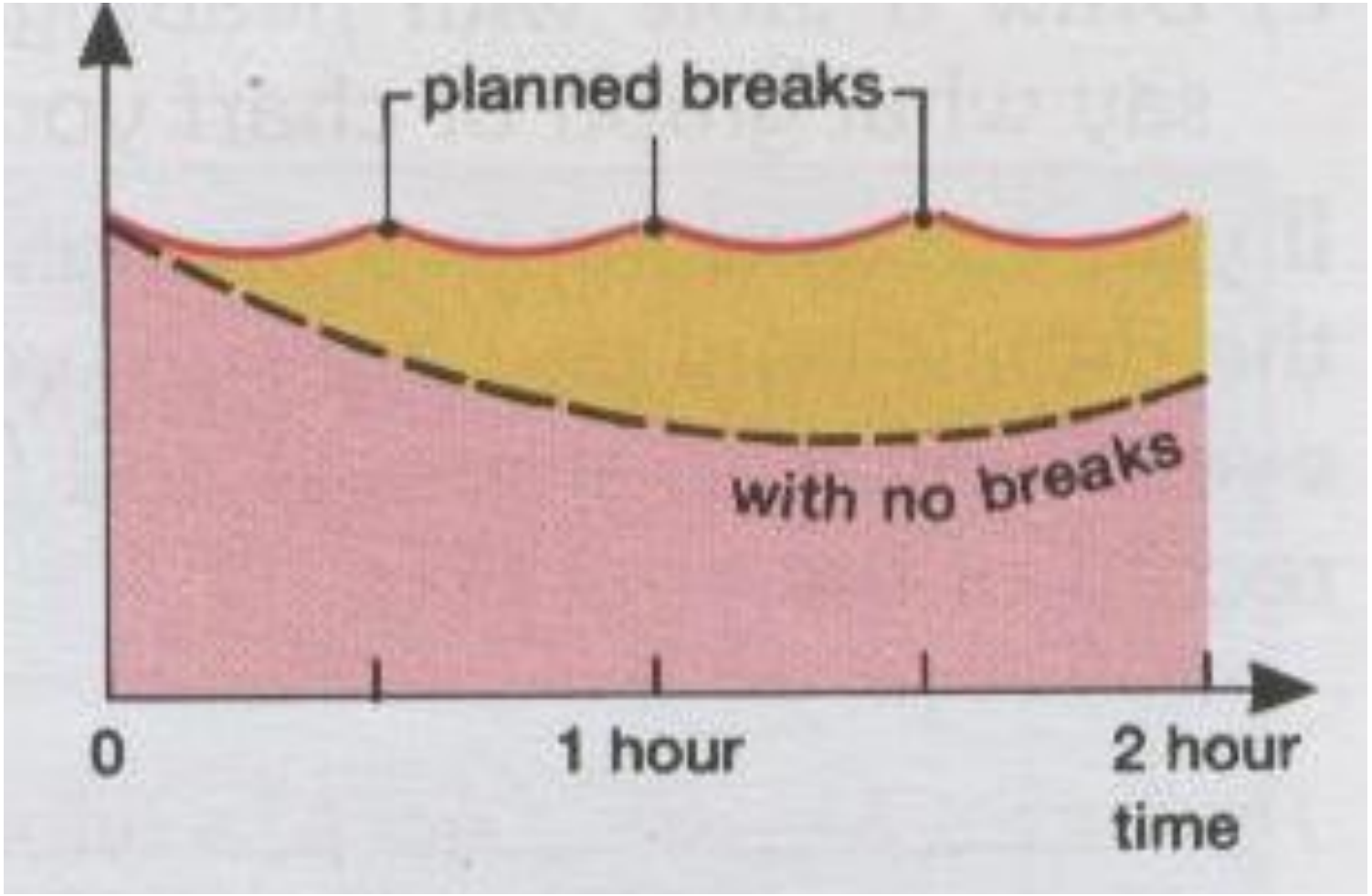
- Be positive and supportive
- Get the child to explain what they are doing to you – get them to teach you



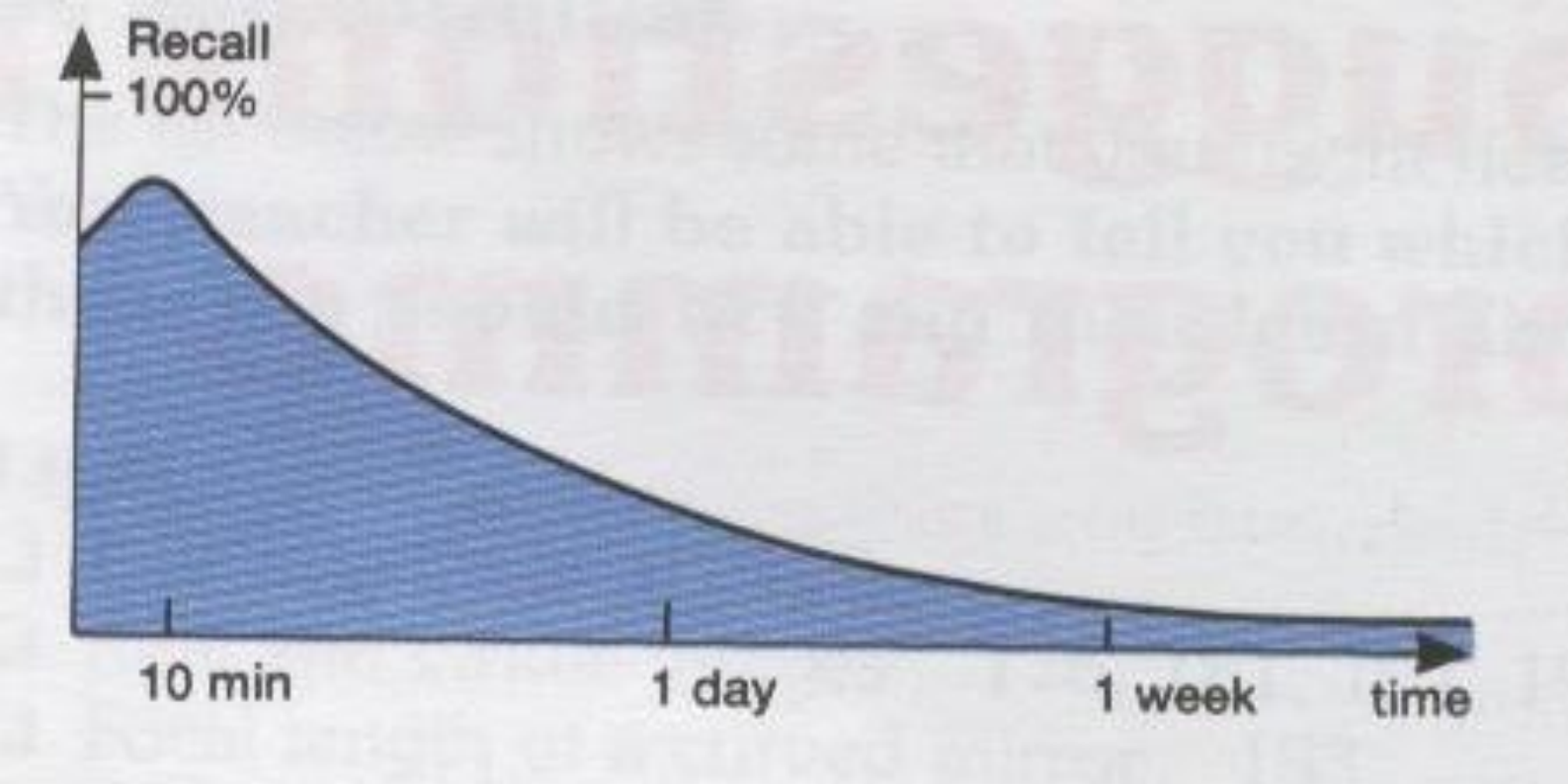
How should they study?



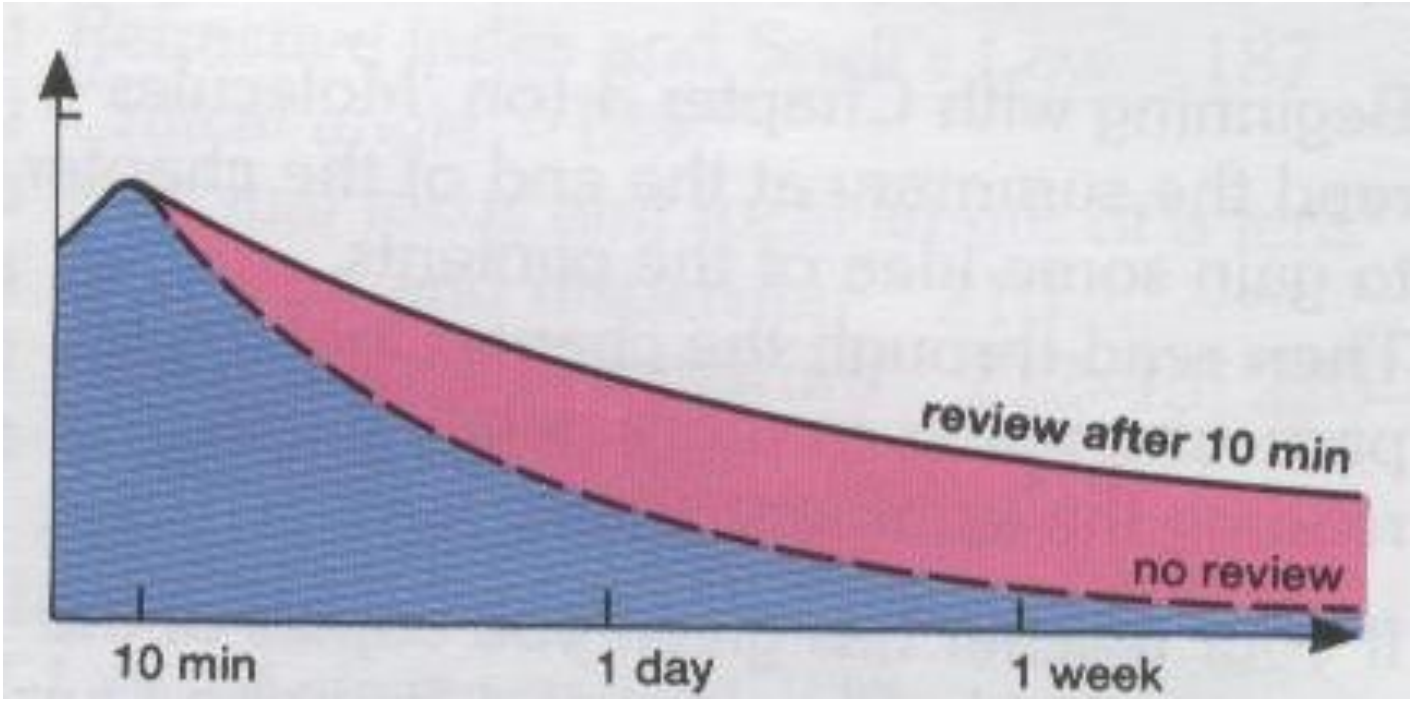
Split up the time…….

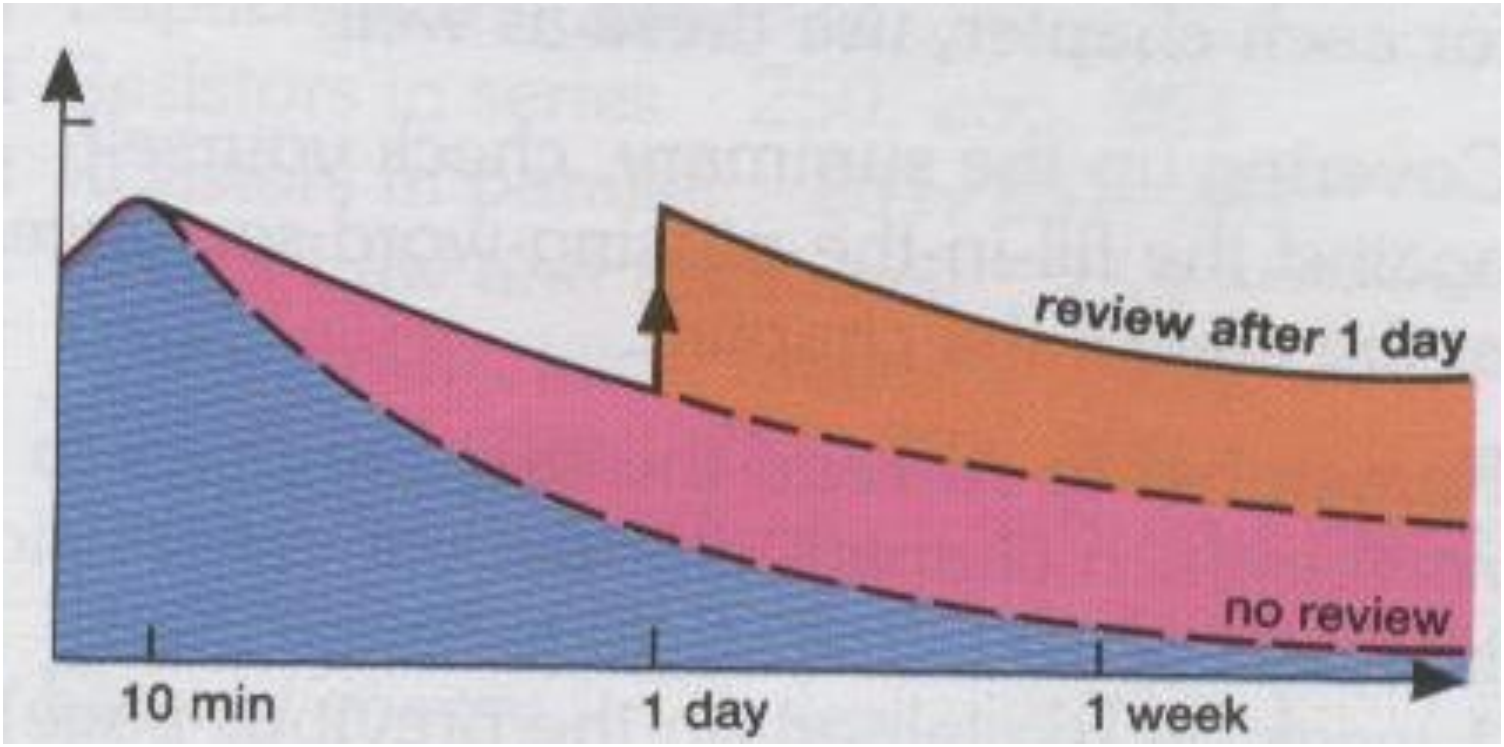


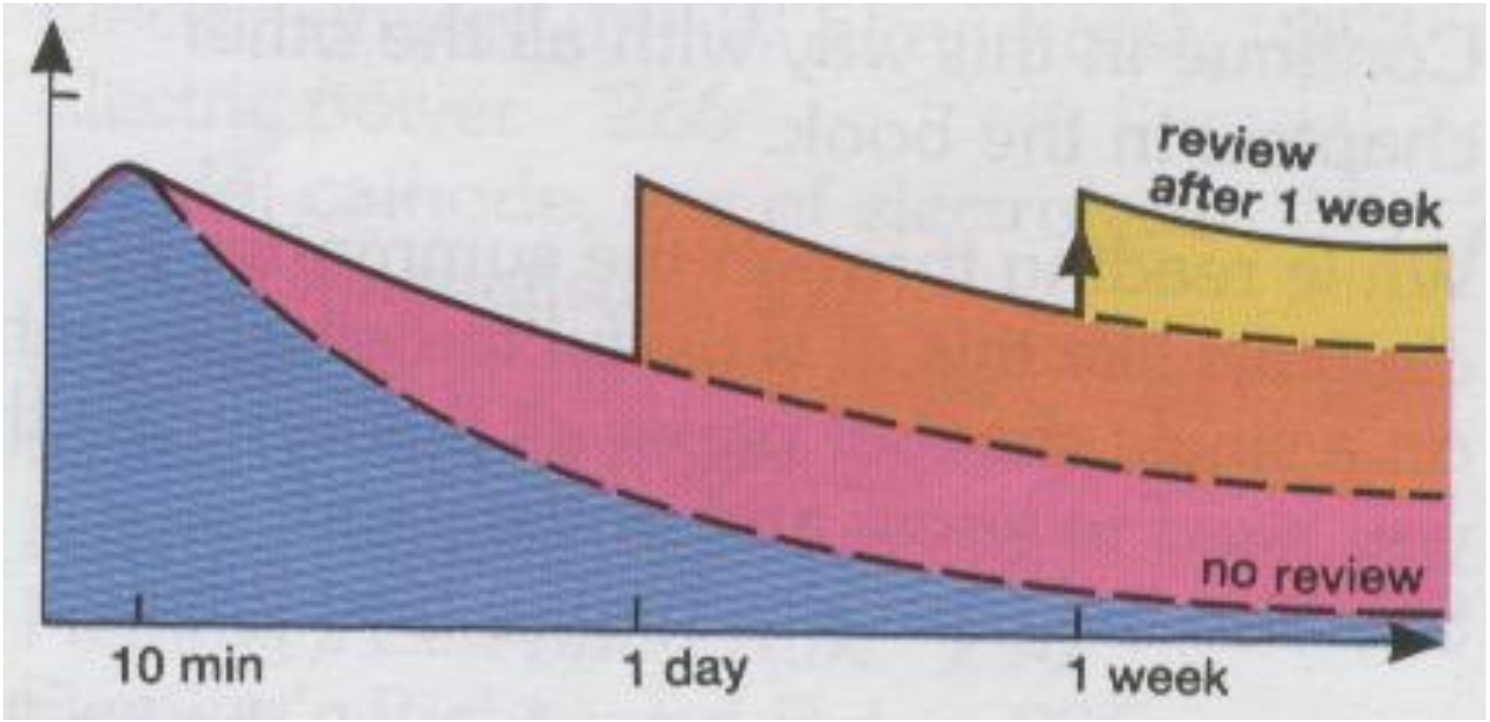
How often should they revise?



How do they **improve** their memory




review after 1 day
no review
10 min
1 day
1 week


review
after 1 week
no review
10 min
1 day
1 week

Remember:

The most important points about revision are that it must occur often and be repeated at the right intervals.

You may want to try some of the web sites that are around for practice questions and exam tips.

www.hinchingbrookeschool.co.uk/maths/mathshome.html

HINCHINGBROOKE SCHOOL
MATHEMATICS DEPARTMENT

What does the website offer?

Revision Cards

Revision Schedule

Revision Guide

Grade Descriptors

Past Papers

Topic Worksheets

PowerPoints

Electronic Videos

http://www.hinchingbrookeschool.co.uk/maths/mathshome.html

ion ection

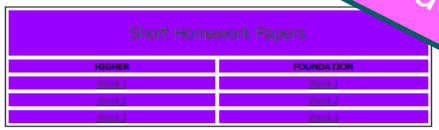
5 A Day

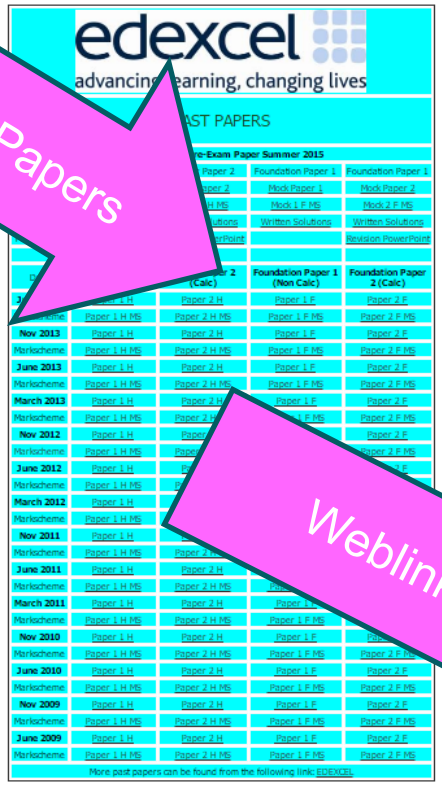
Topic worksheets & Videos

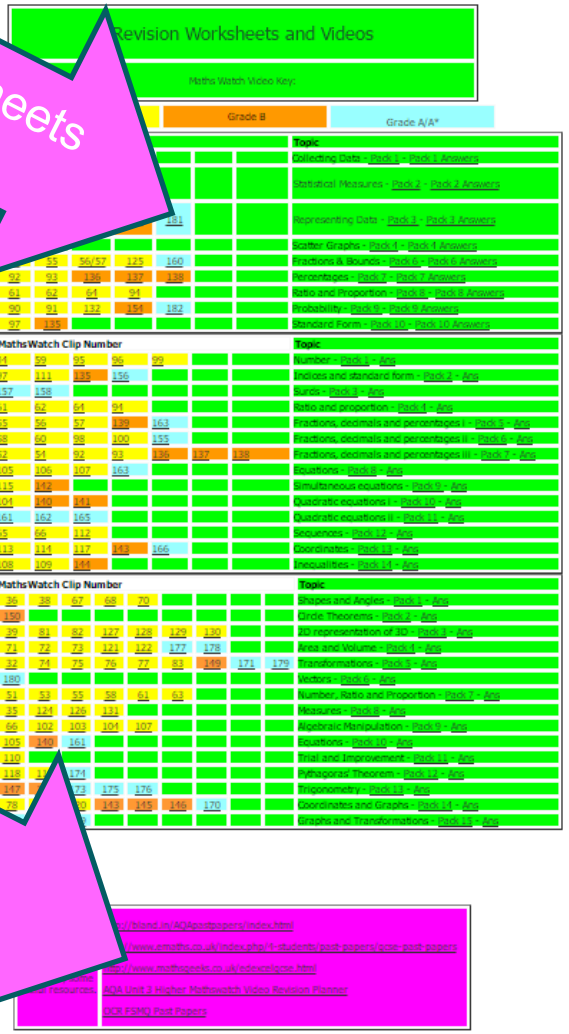
Old Spec Papers

Revision methods

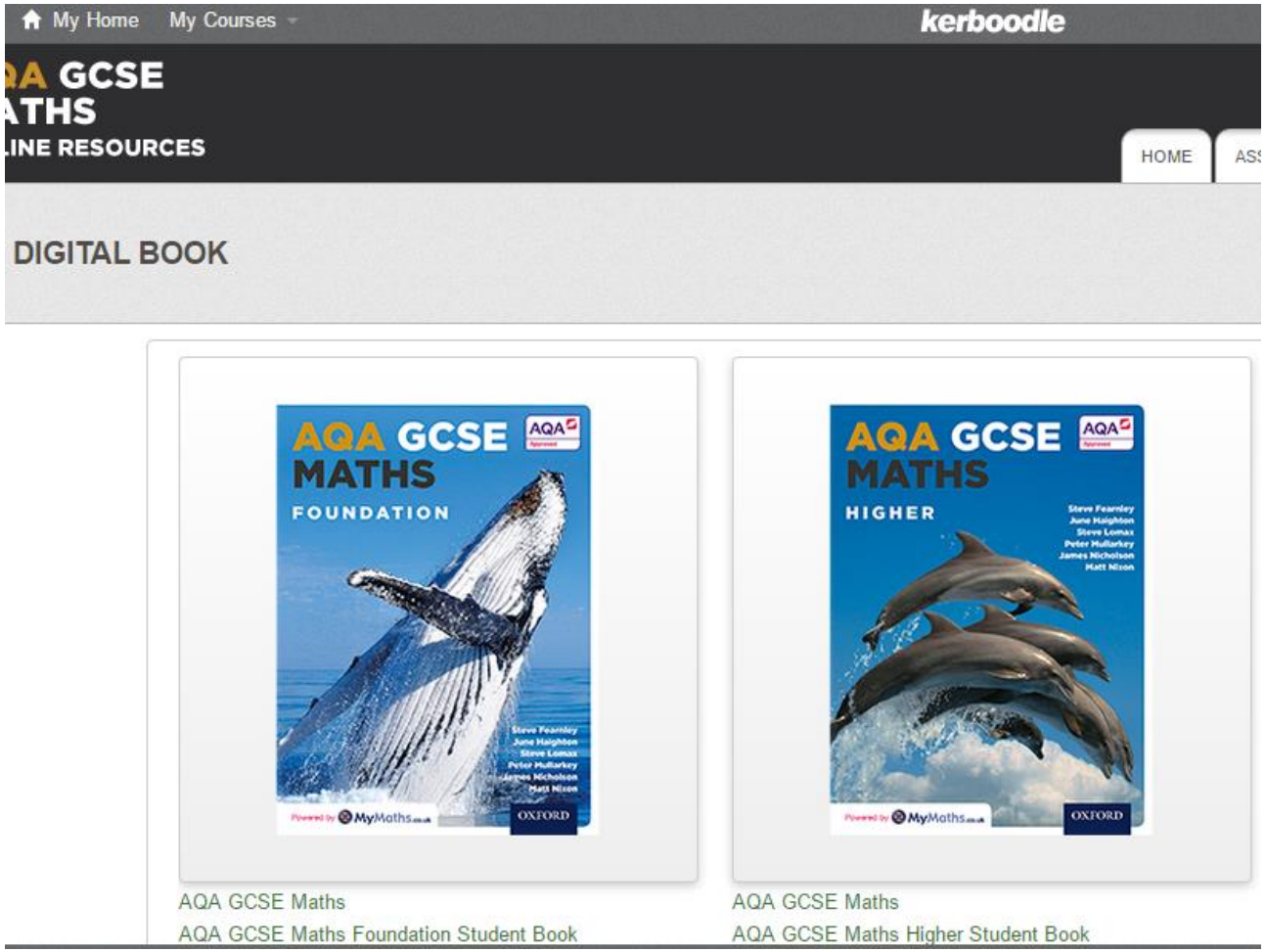
Weblinks







http://www.kerboodle.com/users/login



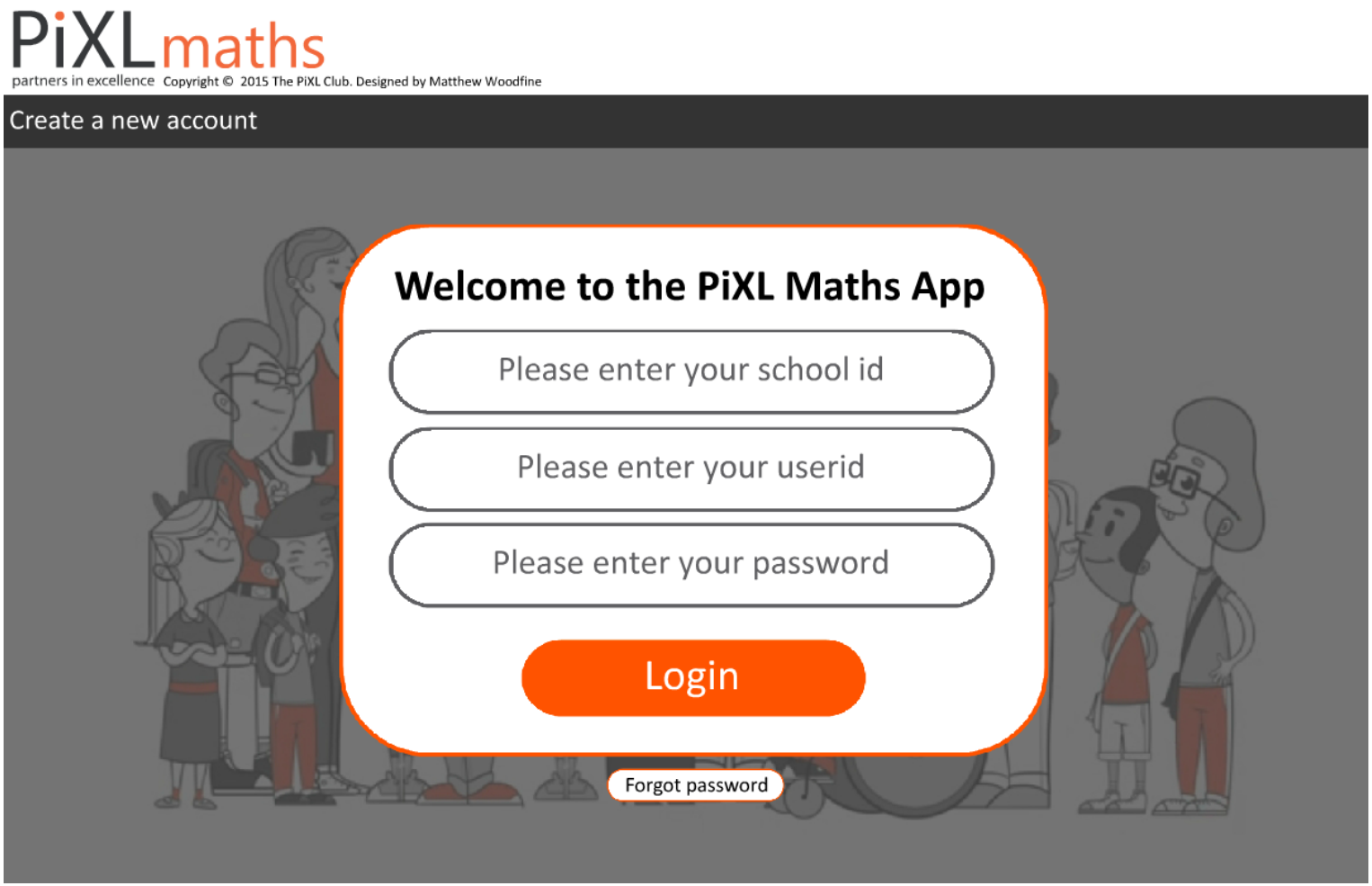
Username
1st initial & surname

Password
Same until changed

Institute code
GXZ1

Class
11m3 ,11n4 , etc …

http://mathsapp.pixl.org.uk/

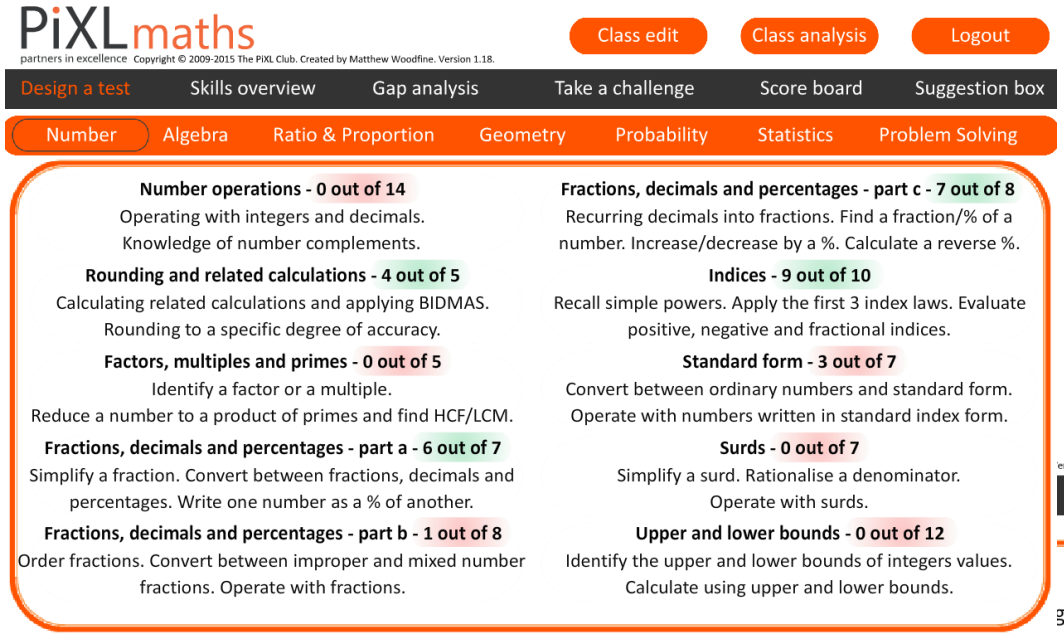
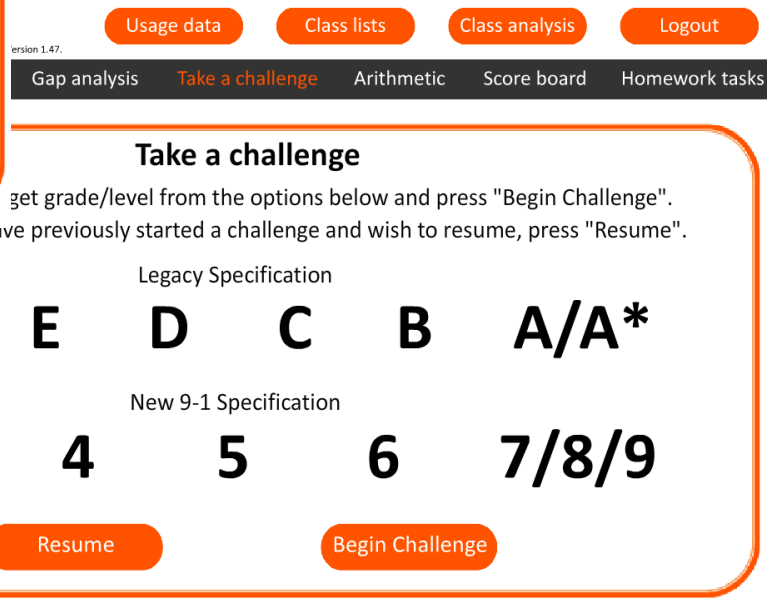


School id:	22203
User id: Surname followed by first initial	BENNETTA
Password:	
Class name: Non year group specific Please ask your teacher if you are unsure	M3
Email address: Required for password retrieval	
Current year group: E.g. Year 7, 8, 9, 10, 11...	11

Please ensure you complete all fields before submitting your account details.

Please keep a copy of your account details for future reference.

Cancel

Submit

2 features of PIXL maths app