Welcome to Mathematics

Exam boards and exam information:

Edexcel GCSE Mathematics (from 2015)

Paper 1 1hr 30– Non Calculator (33.3%)
Paper 2 1hr 30– Calculator (33.3%)
Paper 3 1hr 30 – Calculator (33.3%)

Calculators
Preferably CASIO fx-83GT X
Available on parent pay

How to revise maths

Out of the top 10 most commonly used methods 2 are statistically most effective (by a huge margin)

Focus on "knowing that you know"

Revision guides – Pearson Edexcel make
their own. (Also available on parent pay)

Access to past papers
GO TO:
Qualifications.pearson.com

GCSEs – M – Mathematics – Mathematics (9-1)
from 2015

Look in "Course Materials" for "Exam Materials"

Useful websites:

JustMathsOnline https://online.justmaths.co.uk/justmaths-login-online/ This is amazing for follow-up work after practise papers and mock exams. Ask your teacher for the username and password.

User: HowdenStudent

Password:see your teacher

Mathswatch https://vle.mathswatch.co.uk/vle/ Students need to log into the site, username 'asmith18'@howden.

You have your own password for this. Your teacher can reset it.

Mymaths https://login.mymaths.co.uk/login Lots of resources including booster packs to target grades and access to lessons to all skills on the exam.

User: howden

Password: see your teacher

Using Youtube

Go to Youtube.com

Type "GCSE Maths" and a description (or even better the correct mathematical name)

Look for these youtubers first:

Corbett maths

Hegarty maths

GCSE Maths Tutor

Maths Genie

Homework booklets

Howden School

Year 11 Mathematics Homework Booklet 1 Tier E

Please complete your maths homework regularly – each week you have a set of 20 questions to test your understanding of some key areas of mathematics. In this booklet the questions will consider a set of ideas - these will change as we progress through the year. These concepts should not be new. The homework is designed to ensure that key ideas needed to progress into more complex topics are secure, we hope you may find a number of the questions challenging and engaging!

Name

Tutor group

Maths Teacher

Hand this booklet in

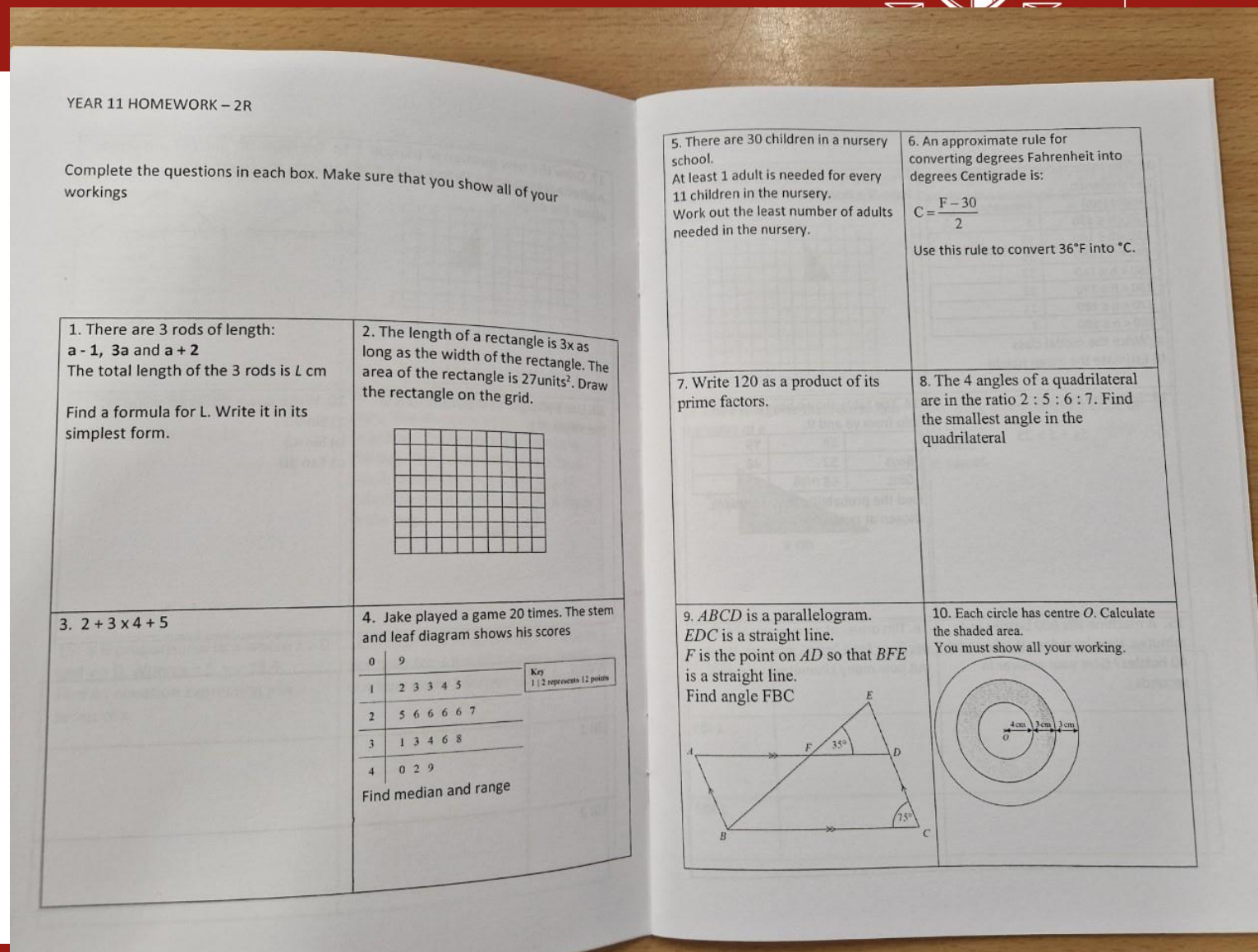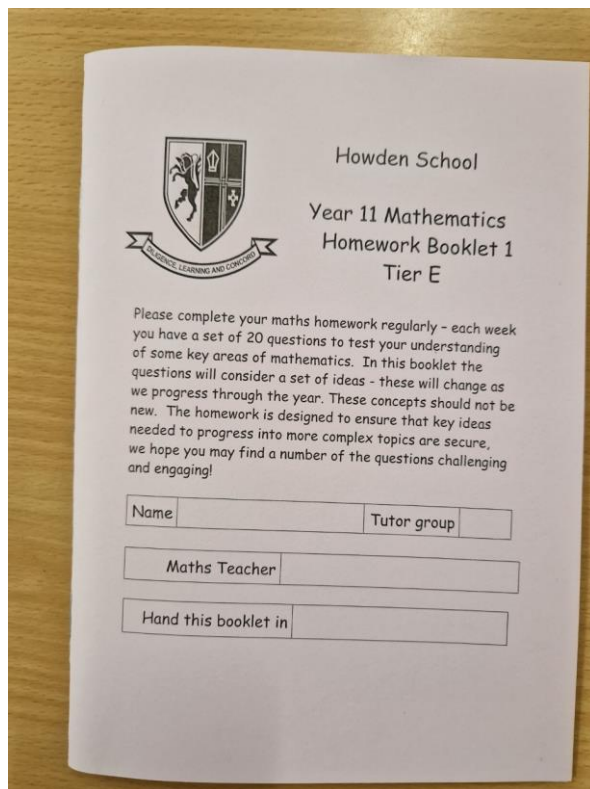Complete the questions in each box. Make sure that you show all of your workings

1. There are 3 rods of length:
a - 1, 3a and a + 2
The total length of the 3 rods is L cm

Find a formula for L. Write it in its simplest form.

2. The length of a rectangle is 3x as long as the width of the rectangle. The area of the rectangle is 27units². Draw the rectangle on the grid.

3. $2 + 3 \times 4 + 5$

4. Jake played a game 20 times. The stem and leaf diagram shows his scores

0	9
1	2 3 3 4 5
2	5 6 6 6 6 7
3	1 3 4 6 8
4	0 2 9

Key
1 | 2 represents 12 points

Find median and range

5. There are 30 children in a nursery school.
At least 1 adult is needed for every 11 children in the nursery.
Work out the least number of adults needed in the nursery.

6. An approximate rule for converting degrees Fahrenheit into degrees Centigrade is:

$$C = \frac{F - 30}{2}$$

Use this rule to convert 36°F into °C.

7. Write 120 as a product of its prime factors.

8. The 4 angles of a quadrilateral are in the ratio 2 : 5 : 6 : 7. Find the smallest angle in the quadrilateral

9. $ABCD$ is a parallelogram. EDC is a straight line. F is the point on AD so that BFE is a straight line. Find angle FBC

10. Each circle has centre O. Calculate the shaded area. You must show all your working.

#TEAMHOWDEN

Help!

Homework club

Further Maths

Coming soon – after school revision

Coming soon – 3 to 4 and 4 to 5

In class help

Tutors