



Year 6 Maths Revision Summer 2012

The Exam Paper Will Consist of:

Written paper (non calculator) (60 Minutes)

Mental Maths paper (to be taken in class before exam week) (20 minutes)

Pupils should take care to note the mark allocation for questions. If there are 2 or more marks awarded to a question this will usually require all working to be shown in order for the pupil to receive the full amount of the marks on offer.

Equipment you will need for the exam:

Pencil(s)

30 cm ruler

Rubber

Protractor/Angle measurer

Topics you should know:

Number

- Multiply/Divide by 10, 100, 1000
- Round whole numbers to nearest 10 etc, round decimals to nearest whole number
- Recognise and order negative numbers
- Extend number sequences
- Recognise odd and even numbers, square numbers, factors and multiples
- Order decimals
- Add/Subtract decimals
- Find equivalent fractions (including converting between improper fractions and mixed numbers)
- Find fractions of numbers
- Add and subtract simple fractions

- Know correspondence between fractions, decimals and percentages
- Find a percentage of an amount
- Add/subtract numbers mentally
- Be able to use an efficient written method to add/subtract 3 and 4 digit numbers
- Know multiplication facts up to 10x10
- Be able to use an efficient written method to multiply/divide using 3 digit numbers
- Use all 4 number operations to solve problems

Measures, Shape and space:

- Measuring length, mass and capacity (know the units of measurement and be able to read off different scales)
- Solve problems relating to length, mass and capacity
- Be able to convert between metric units of measurement
- Identify and describe 2D and 3D shapes
- Draw a net of a 3D shape and draw a 3D shape on isometric paper
- Find perimeter and area of shapes (including compound shapes)
- Identify lines of symmetry and complete symmetrical patterns
- Reflect a shape in a given mirror line
- Plot coordinates on a grid
- Draw and measure angles
- Know and use angle facts such as angles in a triangle, on a straight line and around a point
- Be able to read the time from an analogue or digital clock
- Solve problems involving time

Handling Data:

- Use the language of probability
- Find expected probabilities e.g. what is the probability of throwing a 5 when you roll a fair die?
- Be able to understand, interpret and draw different graphs and charts including bar charts, pie charts and line graphs
- Be able to find the mean, mode, median and range of a set of data

References:

Please look at the relevant chapters in your KS2 Maths textbook.

You may also find the following websites useful to practise those topics in which you feel less confident:

www.mymaths.co.uk (username: bmhps, password: circle360)

<http://www.bbc.co.uk/schools/ks2bitesize/maths/>

www.mangahigh.co.uk (your teacher will set up relevant challenges for you)

Exam Style Questions To Help You Revise

Over the next few weeks your teachers will be giving you exam style questions to practise both in class and for prep. There are also some practice papers in your KS2 textbook (p229 onwards) which will help with your revision.