# MAGDALEN COLLEGE SCHOOL

## Entry at 11+ (Yr 7) and pre-test for prep school candidates (Yr 9)

**Written Papers**

The English paper (1 hour) consists of two composition questions, fiction and non-fiction. Attention is paid to spelling, punctuation and handwriting as well as content and the candidate's ability to write lucidly and effectively. The Mathematics paper (1 hour) is based on Level 5 of the National Curriculum. Calculators are not permitted. The Verbal Reasoning test (45 minutes) is a standardised IQ Test, preceded by a 15 minute practice paper.

**Interview**

The majority of candidates are called for interview. The interviews last for approximately 30 minutes. Candidates first talk about an interest which they have and are asked to bring an object with them. We will be hoping to get a glimpse of what makes candidates tick and what makes them excited and satisfied. There will also be a short passage to be read aloud. The interviewer will give candidates some time to prepare this and, after reading aloud, boys will be asked questions about the passage.

**School Report**

The Head of the candidate's current school is asked to provide a brief confidential report about the boy's progress and academic potential, his conduct and character, and his wider interests and abilities.

**Sample papers**

Sample papers for English composition and Mathematics can be found below. There is also a sample interview passage for reading aloud and the type of questions which might be asked about the passage.

We do not publish Verbal Reasoning papers: we do not own the copyright. However, you can obtain sample papers at all good booksellers such as Blackwell's and W H Smith.

With all our examinations, we are keen to look for potential, not simply current attainment. For this reason we are always interested in the school reference, the wider interests of the boy, and any other applicable information; our own papers and interviews are designed with the intention of exploring the way in which each child thinks, helping us to assess his promise in this way, too. No special preparation is expected or required for the tests.

As a result of the tests, interviews, and school report, offers of places are made in February to successful candidates and a deposit (currently £500) is requested. This reserves a provisional place at Magdalen College School.

Scholarships, All-rounder scholarships and Governors' Presentation Awards are awarded by the Master for excellence in one or more academic or extra-curricular areas based on the tests, interviews and school report.

# Please see below for 2010 sample papers

**11+ English Entrance Exam (Sample Paper)**

In the last year the comprehension section of the paper has been replaced with a candidate interview. During the interview the pupil will be given time to read a poem or passage of prose and then asked to comment on maters of style, tone, authorial intention and structural organisation. We are particularly interested in the boys' ability to empathise with the texts, recognise subtle meanings and investigate linguistic connections and themes explored in the passages.

The poem 'The Railings' by R McGough is an example of text we might use to encourage literary and wider empathetic discussion between the member of staff and the candidate during the interview.

### The Railings

You came to watch me playing cricket once.
Quite a few of the fathers did.
At ease, outside the pavilion
They would while away a Saturday afternoon.
Joke with the masters, urge on
Their flannelled offspring. But not you.

Fielding deep near the boundary
I saw you through the railings.
You were embarrassed when I waved
And moved out of sight down the road.
When it was my turn to bowl though
I knew you'd still be watching.

Third ball, a wicket, and three more followed.
When we came in at the end of the innings
The other dads applauded and joined us for tea.
Of course, you had gone by then. Later,
you said you'd found yourself there by accident.
Just passing. Spotted me through the railings.

Speech-day. Prize givings. School plays
The Twentyfirst. The Wedding. The Christening
You would find yourself there by accident.
Just passing. Spotted me by the railings.

# Magdalen College School

# 11+ Entrance Examination 2010

# English Composition

# **Time allowed:** 1 hour

Please complete <u>one task from Section A and then one task from Section B.</u>

You ought to spend 30 minutes on each chosen task.

## Section A- Fiction Writing

Remember that thoughtful planning before you start to write will help you and we are particularly interested in your ability to describe characters, feelings and places in ways that bring the passages to life for the reader.

Either:

1) Describe a journey on a steam train in which you appeal to the reader's senses in recreating the experience.

Or:
2) Imagine either a pirate or a highwayman – describe their physical appearance and habits in some detail. Think about creating a vivid picture in the reader's head. You could suggest things about their personality through this description. Remember – this is a description of a character and not a story.

Or:
3) "*The snow kept flinging coldly suffocating arms about him – as if to hold him forever in its freezing bosom – and, as he rose, the very heavens seemed to beat him down again with their fluffy torrents. The whole universe was turned against him: the earth, the sky, the wind – even his own failing limbs which ached for nothing more than a bed in the dreadful loving snow*".

Write a continuation of this scene. Try to maintain the atmosphere that is created in the short passage.

**Section B- Non Fiction Writing**

Make sure that you do what is asked in the task and keep the chosen reader in mind!

Either:

Write a letter to a friend describing a recent holiday.

Or:

Write a short article for your school magazine in which you advise other pupils on the best ways of keeping on top of homework.

Or:

Your teacher has asked you to give a short speech to the rest of your class on the importance of healthy eating. Write out your speech and think carefully about the ways in which you will engage your audience.

FIRST NAME……………………........SURNAME…………………………
CURRENT SCHOOL………………………………………………………

# MAGDALEN COLLEGE SCHOOL
# OXFORD

# 11+  ENTRANCE EXAMINATION

# 2010

# MATHEMATICS

**Please read this information before the examination starts.**

- This examination is 60 minutes long.
- Please try **all** the questions.
- Write your answers in the spaces provided.
- All working should be written on the paper.
- Calculators are **not** allowed.

1. Work out …

a) 25 + 32

*Answer*:……………………… [1]

b) 84 - 21

*Answer*:……………………… [1]

c) 119 + 385

*Answer*:……………………… [1]

d) 204 - 96

*Answer*:……………………… [1]

e) 83 – 17 + 26

*Answer*:……………………… [1]

f) 3.2 + 0.9

*Answer*:……………………… [1]

g) 4.77 – 0.45

*Answer*:……………………… [1]

2.    A pentagon has **five sides** and a heptagon has **seven sides**.

a)    How many sides in total would three pentagons have?

*Answer*:………..…………………sides. [2]

b)    Phil says 'I am looking at a picture that is made from pentagons and heptagons, where none of the sides overlap. I count 38 sides in total'.

How many pentagons and heptagons are in the picture?

*Answer*:……………pentagons……………heptagons [3]

3.    Work out…

a)    $9 \times 8$

*Answer*:……………………… [1]

b)    $123 \times 3$

*Answer*:……………………… [1]

c)    $11 \times 23$

*Answer*:……………………… [1]

d)    $112 \div 4$

*Answer*:……………………… [1]

e)    $196 \div 14$

*Answer*:……………………… [1]

3.    James has spotted an easy way to multiply a number by 101.

He says 'You multiply the number by 100, then add 1 lot of the number, for example :

$12 \times 101 = 12 \times 100 + 12 \times 1 = 1200 + 12 = 1212$
and    $8 \times 101 = 8 \times 100 + 8 \times 1 \quad = \quad 800 + 8 = \quad 808$

Using his method, or in your own way, work out:

a)    $52 \times 101$

*Answer*:……………………… [1]

b)    $117 \times 101$

*Answer*:……………………… [1]

c)    $12 \times 102$

*Answer*:……………………… [2]

4.    a)    A bus from Oxford to Reading costs £12.30 and a bus from Reading to London costs £32 exactly.

If I have a £50 note in my wallet, and wish to travel by bus from Oxford to London via Reading, how much money will I have at the end of the journey?

*Answer*:……………………… [3]

b)    Another bus journey is much shorter, and only costs 88 pence. What is the smallest number of coins that can pass between the passenger and the bus driver in order to pay the fare? Remember that the bus driver can give the passenger change.

*Answer*:……………………… [2]

5.  a)  Find the area of this rectangle, giving your answers in cm$^2$.

12cm

D _____ C

30mm

A _____ B
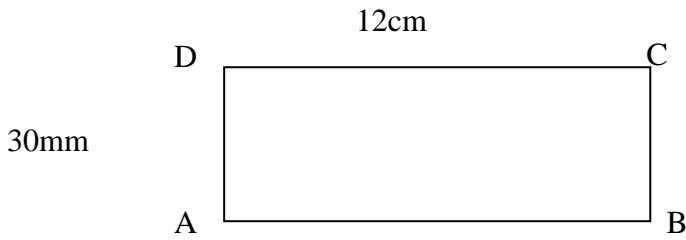
*Answer*:………………………cm$^2$ [1]

b)  The rectangle is now cut from A to C in a straight line, and one of two the pieces thrown away. What is the area of the remaining piece?

*Answer*:………………………cm$^2$ [1]

c)  Suppose the rectangle was cut differently, this time along the dotted lines as shown below. The shaded shape is kept, and the other bits are discarded. What is the area of the shaded shape?

12cm

D _____ C

30mm

A _____ B
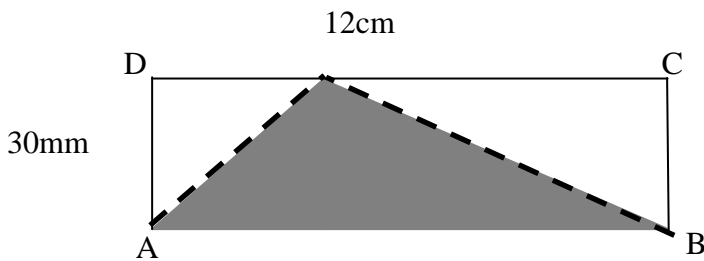
*Answer*:………………………cm$^2$ [1]

6.  Draw all possible lines of symmetry on these shapes

a)

b)

[3]
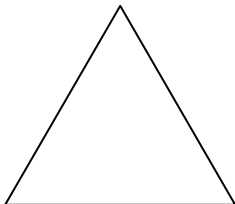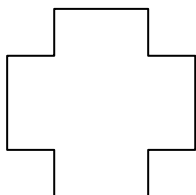
7. Draw a line which passes through the circle and is NOT a line of symmetry.
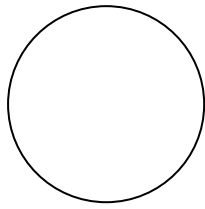
[1]

8. This shape will be rotated.
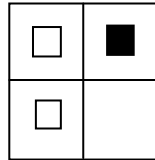
It can be rotated to make three of the four shapes below; which is the odd one out?
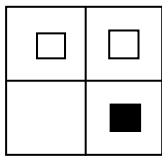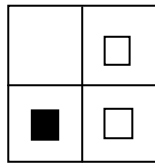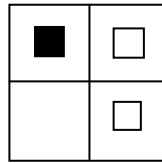
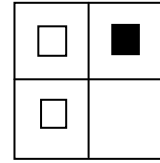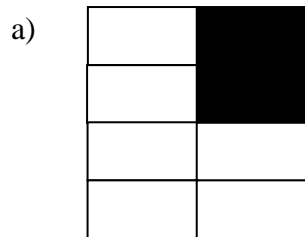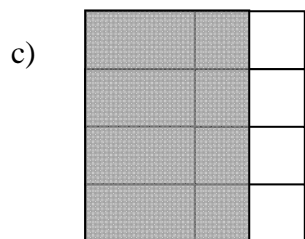Shape A          Shape B          Shape C          Shape D

*Answer*: Shape……………………… [1]

_____

9. For each diagram, write down the fraction of the shape that is **shaded.**

a)

*Answer*:……………………… [1]

b)

*Answer*:……………………… [1]

c)

*Answer*:……………………… [1]

d)
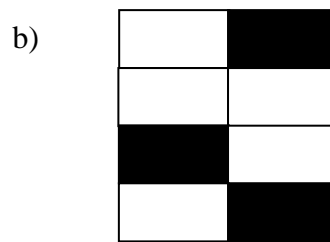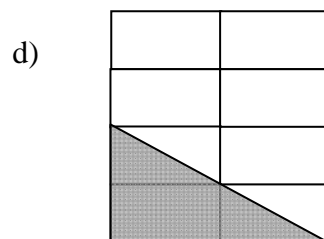
*Answer*:……………………… [1]

10. a) Write 40% as a decimal.

*Answer*:……………………… [1]

b) Write 50% as a fraction.

*Answer*:……………………… [1]

c) If $\dfrac{1}{5} = 0.2$, write $\dfrac{4}{5}$ as a decimal.

*Answer*:……………………… [1]

d) $\dfrac{1}{10}$ is half of $\dfrac{1}{5}$. Write $\dfrac{1}{10}$ as a decimal.

*Answer*:……………………… [1]

11. Mark and Sue are sharing a pack of Cadbury's celebrations. There are 36 individual sweets in the pack.

a) Mark divides up the sweets so that he gets three times as many as Sue.
How many sweets does Sue get?

*Answer*:………………………sweets [3]

b) Sue complains about the above arrangement. She suggests that they should take sweets out of the pile of 36 in a sequence.
Sue takes out one sweet.
Then Mark takes out two sweets.
The Sue takes out three sweets and so on until the pile is gone.

How many sweets does Sue get now?

*Answer*:……………………… [3]

12. Describe each of these sequences by a rule. Then write the next two terms in the sequence.

a)  1, 3, 5, 7, 9,  ….

*Answer*: The next two terms are…………and…………… [2]

*Answer*: The rule is………………………………………………… [1]

b)  1, 2, 4, 8, 16, ….

*Answer*: The next two terms are…………and…………… [2]

*Answer*: The rule is………………………………………………… [1]

c)  3, 5, 8, 12, 17, …

*Answer*: The next two terms are…………and…………… [2]

*Answer*: The rule is………………………………………………. [1]

d)  25, 21, 17, 13, 9, …

*Answer*: The next two terms are…………and…………… [2]

*Answer*: The rule is………………………………………………… [1]

13. a)  Write the next two terms in this sequence

$$\frac{2}{5}, \frac{3}{7}, \frac{4}{9}, \frac{5}{11}, \frac{6}{13}, …$$
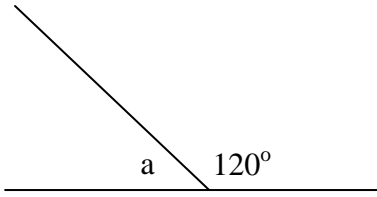
*Answer*: The next two terms are…………and…………… [2]

b)  What would be the hundredth term in the sequence?

*Answer*: ………………………………[2]

14. Find the values of the angles labelled below.

a $\angle$ 120°

DIAGRAMS ARE
NOT TO SCALE!

*Answer*:  a = ……………………… [1]

80°

b

30°

*Answer*: b = ……………………… [1]

c

50°
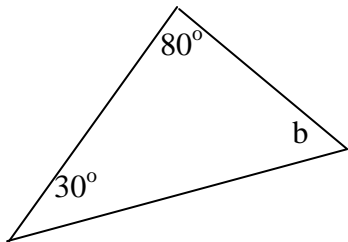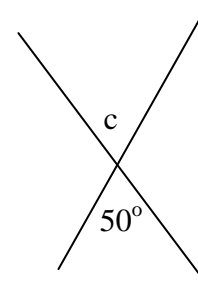
*Answer* :c = ……………………… [1]

15. You are told that    $12 \times 40 = 480$.

Use this fact to fill in the blanks:

_____  $\times 40 = 960$

$12 \times$ _____ $= 48$

_____ $= 480 \div 40$

[3]

16. Insert some or all of the symbols -, +, ×, ÷ into the boxes below to make the calculations correct.

a)  6 ☐ 8 = 48
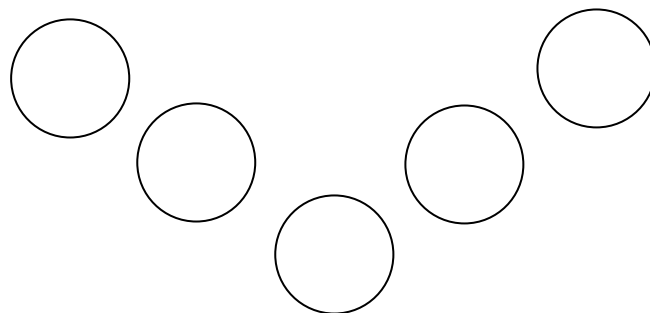
a)  4 ☐ 3 ☐ 6 = 22

b)  4 ☐ 4 ☐ 4 = 4

c)  8 ☐ 2 ☐ 3 = 14 ☐ 2

[6]

17.  Insert the symbols +, +, - , ×, × into the boxes below
to make a total of 33. You must use all of the symbols in the list.

1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6

[4]

18.  Place one of each of the numbers 1,2,3,4,5 into a circle in the V-shaped diagram so that the total of each arm is the same.



[2]

19. A man decides to pave a path around the edge his rectangular garden. The garden measures 4 metres by 200 cm, as shown below. The paving tiles that he will use measure 40cm by 40cm as shown. The path will go all the way round the garden, shown by the dotted line. **Be careful – the diagram is NOT TO SCALE.**

200cm

40cm

40cm

GARDEN

4m

PAVING TILE
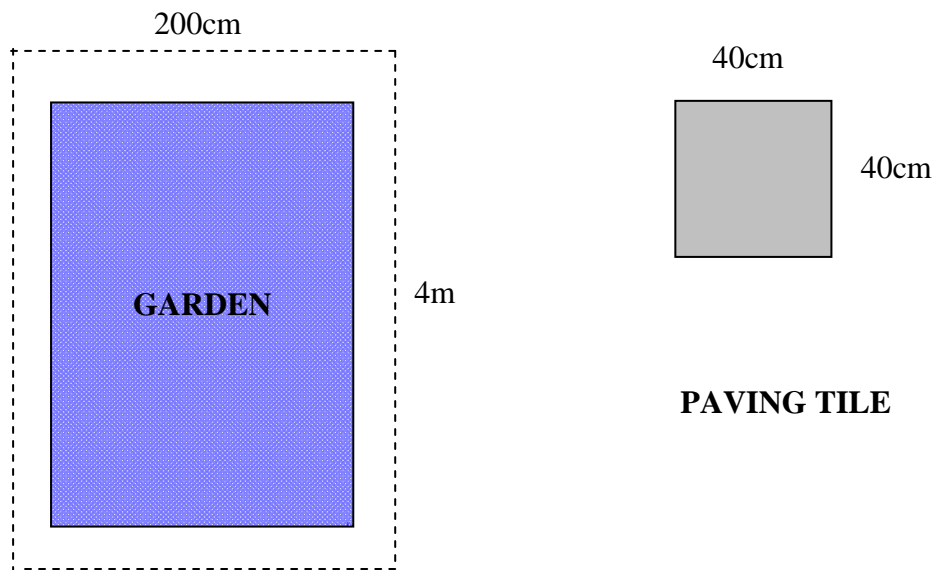
Each tile costs £3.50. How much will it cost the gardener to lay his path?
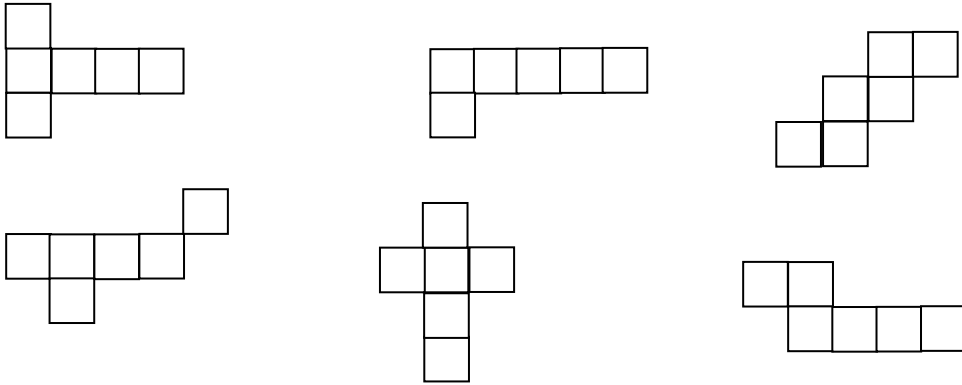
*Answe*r:……………………… [5]

20. The **net** of a cube is a shape that can be folded up to make a cube. A simple example is given.



Circle any of the diagrams below which could be nets of a cube.



[2]

20. 12 boy scouts will eat 30 loaves in 4 days.

a) How many boy scouts will eat 60 loaves in 4 days?

*Answer*:………………boy scouts [2]

b) How many days will it take  6 boy scouts to eat 30 loaves?

*Answer*:………………………days [2]

c) How many loaves will 3 boys scouts eat in 8 days?

*Answer*:………………………loaves [2]

21. Suppose  *x* is worth 4, *y* is worth 5 and *z* is worth 1.

    i)        Find the value of

    a)       $x + y + z$

*Answe*r:……………………… [2]

    b)      $2x + 2y$

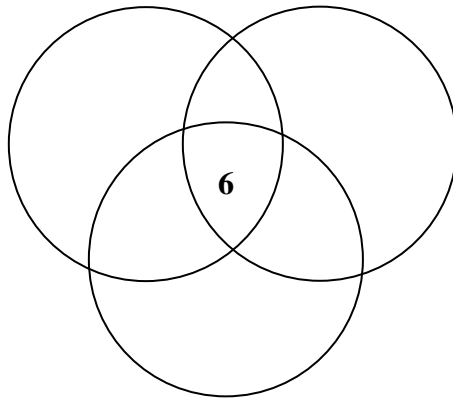*Answe*r:……………………… [2]

    ii)    Which is bigger, $\dfrac{x+z}{y}$ or $\dfrac{x}{z}$ ?

*Answe*r:……………………… [3]

22. Place one of each of the numbers 1,2,3,4,5,7 in a region of the diagram below so that the total in each of the circles is the same. The number '6' is correctly placed as a hint.



*Answe*r:……………………… [6]

| **END OF TEST – GO BACK AND CHECK YOUR WORKING** |