



13+ Entry
Information & Exemplar Material
2010

ENTRY at 13+ to Year 9 (65 – 70 pupils each year)

Candidates registered for entry to Year 9 in September 2010 will be tested in English, Mathematics and Reasoning at The Leys on Saturday 23rd January 2010.

Candidates at a school outside the UK should contact the school about the test procedures.

Early notification is required if any individual is unable to attend on this date.

13+ Entrance Scholarships

Candidates who wish to sit for a scholarship must also be registered and sit the General Entrance Tests mentioned above. Full details of the scholarships are available from the school website (www.theleys.net) under "Admissions>Exam Information". Please note the closing date for scholarship entries is 20th November 2009.

Syllabus Requirements and Exemplar Material

English

The assessment for English will be based on a 60 minute paper testing comprehension skills, written accuracy and fluency of writing.

Section A - Comprehension

The paper will consist of a fictional extract, appropriate in language and style for the age range, followed by questions. These will range from the straightforward to the more testing. These may include:

- straightforward, factual questions;
- more open-ended questions involving reasoning, opinion or prediction based on the information given;
- tests of vocabulary in context;
- questions assuming an understanding of parts of speech, punctuation and syntax;
- opportunities to discuss how or why a writer is using language in a particular way.

Section B - Writing

This will offer the candidates the chance to write a story (or part of one), or a description, letter or some equivalent piece of writing. All tasks will be thematically related to, or arising from, the passage given. It is hoped the candidates will be able to demonstrate their abilities by writing in an accurate, detailed and lively way.

Mathematics

The syllabus content for the Entrance Examination at 13+ will be based upon the National Curriculum levels 3 – 6 (some elements of level 7).

At Entrance for 13+, candidates will be required to work a 60 minute non-calculator paper. Candidates should bring a pen, pencil, rubber, ruler, protractor, set square and compasses.

Reasoning – Verbal, Non-Verbal, Spatial

All candidates will take three papers in reasoning. No special preparation is required and candidates will be given time, on the day, to practise some examples.

Exemplar Material

Please note that the material on the following pages has been compressed to minimise space here. All the exams will be in booklet form with space for working, writing and answers.

English

Instructions: Answer all of Section A and ONE question from Section B

Section A

Read the following passage (From *The Burning Book* by Maggie Gee, published by Faber and Faber). The episode describes Lorna, her mother Prunella, and her father Henry, who owns a grocery shop. Grandpa and Grandma Cleaver are Prunella's parents, who always come for Sunday lunch.

Her mother's mother and father never seemed quite real to Lorna. They looked like grandparents
might have looked in an out-of-date picture book. Her grandfather's voice was quiet and posh,
and he wore a suit with a watch-chain. He couldn't quite hear what you said, but he wouldn't
admit he was deaf. So he laughed and made the wrong answer. Her grandmother's voice was a
5 mixture, sometimes posher than his, like singing, but sometimes it got too shrill to be posh and
she noticed her mother wincing. Her grandmother wore things like hats, and furs which had
heads and legs. The eyes weren't real, Lorna found in the end, but the first time she saw them
she screamed in surprise and ran behind her father.

She didn't know why she was sure of this, but what they said wasn't real either. Grandma
10 Cleaver smiled and laughed a lot and squeezed the arm of her husband. But whenever she did it
he looked surprised, as if she was really a stranger. And Grandpa Cleaver made remarks and
told stories too tidy to come from a person. They didn't fit in with the conversation. He often told
the same ones, but her parents laughed each time. Grandma had long frightening fingers and
her knife and fork flashed in the sun. (Prunella cleaned the silver on Sundays, so it always
15 looked its best). It was a wedding present from the Cleaver side. Grandpa held his spoon up to
the window: "We didn't do badly by our only daughter." His wife always chuckled when he did
that but Prunella sat silent.

Grandma always had three helpings, and the joint always got used up. Prunella always looked
very sour and thin-faced when the last piece disappeared. "That meat would have lasted us all
20 week," she would say, when they'd gone. "I don't understand my mother. And we went without
all war....."

Lorna ate potatoes and gravy, very quickly so she could escape. She stared at Grandpa, who
was drinking, not eating. He was shrivelled like raisins or prunes. The voices all mingled
together, and the clash of glasses and plates, and her mother offering more, and her father
25 laughing too loudly - grownups didn't know when to stop, whereas children knew when to stop.
They would sit for ever at table, making pretend conversation. However quickly she ate, it
wouldn't help her get free. "Please may I get down," she'd say, trying hard to sound soft and
casual, trying to sound as if her ankles weren't knotted together with misery under the table.
"That child eats like a sparrer," her grandpa would gruffly remark. Lorna smiled at him like an
30 angel, wishing him evil dreams. She did her good child's voice, "I've eaten masses of things. All
that Yorkshire pudding and potatoes. But now I'm really full up. And / *want to go and do my
homework.* "

The thing she minded most of all, before she learned not to do it, was the trips they
made to the shop, just her Dad and Grandma and Grandpa. Until she was fifteen and
35 refused, her Dad always asked her to come.

What happened when he'd unlocked it and they all four trooped inside was that everyone
became quite different Grandpa and Grandma turned into thieves, and Dad turned into someone
helpless.

Grandma took a big shopping basket, a great green thing of plaited leather. On the way she
40 patted her white ringed hand on Dad's thin arm and shoulder. Grandpa walked stiffly, smile
craned round towards them, claws clasped behind his back, hearing nothing. They all looked
very large in the sunlight, and their laughter embarrassed Lorna. She hung just behind them,
looking neutral. In the shop, however, they were worse. They suddenly got very efficient.
Grandpa didn't seem old any more. His expression was still vague and gentlemanly; he still

45 sometimes hummed through his nose. But his little red eyes were as sharp as a chicken's,
darting about after grain.

You could see what made Henry least happy was the bottles he took from the "Off". Lorna
thought it was called the "Off" because there was so little of it, but *Lambs'* had a small stock of
wine and spirits on the shelf under Biscuits and Cakes. Grandpa always went there last. Each
50 time Lorna hoped he'd forgotten. He'd always take two or three bottles from the twenty or so
that were there. And he always asked, which was curious, since he always did it the same. But
he made it sound as though *just this once*, now he came to think of it, *mayb...e*
"If you don't mind, old boy," he would mumble, collaring two bottles of gin. "My pleasure," said
Henry, very quietly now, holding tight to Lorna's hand. "That *hurts*," she objected, once, in a
55 whisper, but he didn't let her go, just slackened his grip a little, and his blue eyes stared down
please just as clearly as if he had said it. Even then, Lorna wasn't hard-hearted. She didn't like
to see people hurting.

So after that time when he hurt her hand she always pretended to have homework. "I've got
some English for Monday," she sang, and she knew her mother would support her. There had
60 been an awful fascination, though, watching Grandma set to work. The bag looked big when it
was empty, but became enormous when full. The rings flashed frenetically about, the husky
voice pattered softness. But the flashing hands told the truth. Her grandma was a very good
thief. She packed so much in the bag that she'd hardly have to shop all week.

She got jellies and salmon and cupcakes, marmalade, butter, shampoo. She got cat-food for
65 Ronald and Archie, their horribly fat Manx cats: she got chocolate digestives and processed
cheese and light-bulbs and bluebags and matches.....

Section A – Comprehension

Understanding

1. Give the meanings of the following words from the passage:
neutral (line 43), **collaring** (line 53), **frenetically** (line 61). (3)
2. What is suggested by 'They looked like grandparents might have looked in an out-of-date picture book' (lines 1 & 2)? (3)
3. What does Grandpa mean by 'We didn't do too badly by our only daughter' (line 16)? (2)
4. Describe in your own words the different ways the adults behave at the Sunday lunch table. (5)
5. Why is Grandpa described as having 'claws' (line 41)? (2)

Comment and Analysis

6. Why do you think there had been 'an awful fascination...watching Grandma at work' (line 60)? (4)
7. To what extent do you find the presentation of the grandparents humorous or sad? You should support your answer from the text. (6)

Section B - Writing

Answer one of the following, making your writing as interesting and vivid as you can. Grammar and spelling are important.

Either

You are Lorna's father, Henry. Give your account of your feelings during the visit of the grandparents described in the passage. (25)

Or

Write a story **or** a description with the title 'The Thieves'. (25)

Total: 50

Mathematics

Question 1.

Write these numbers in order of size. Start with the largest number.

- (a) 3, 30, 21, 150, 1199 (b) -1.2, 1.5, -1.4, 1.45, 1.7

Question 2.

Here is a list of 8 numbers

3 7 18 23 25 32 41 45

- (a) Circle the **two** numbers from the list with a difference of 9.
(b) Write down a number from the list which is
 (i) a factor of 9,
 (ii) a prime number.

Question 3.

- (a) A shop sells plants.



Find the cost of 35 plants.

- (b) The shop also sells trees.



Mr Bailey has £250. He wants to buy as many trees as possible. How many trees can Mr Bailey buy?

Question 4.

Mark the number 4.2 on the scale with a cross.

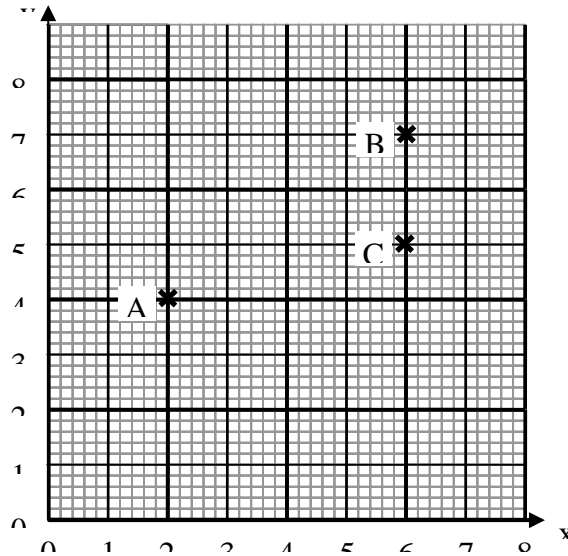


Question 5.

Solve

- (a) $13 - x = 4$
(b) $5 = \frac{x}{7}$
(c) $4x + 11 = 35$

Question 6.



- (a) State the co-ordinates of
 (i) point A (ii) point B
- (b) A and B and C are three points of a parallelogram.
 Suggest the co-ordinates of the fourth point of the parallelogram.

Question 7.

The table can be used to find the cost of apples in pounds (£).

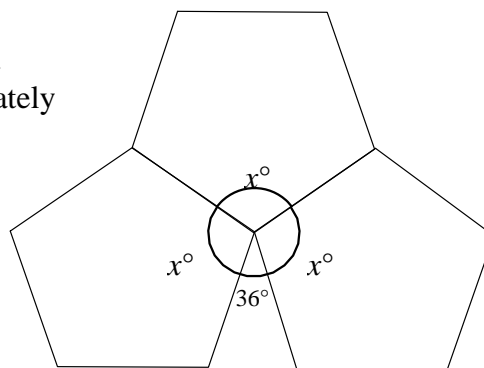
Apples (kg)	Pounds (£)
0.05	0.08
0.25	0.40
0.50	0.80
1	1.60
2	3.20
3	4.80

- (a) What weight of apples does £1.60 buy? (b) Find the cost of 2.25kg of apples.

Question 8.

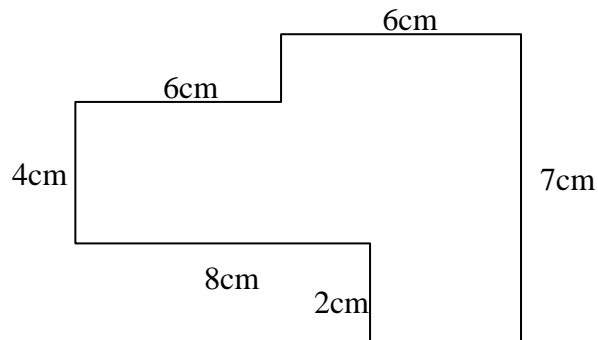
The diagram below shows how 3 identical regular shapes fit together. What is the value of x°

Diagram **not**
 drawn accurately



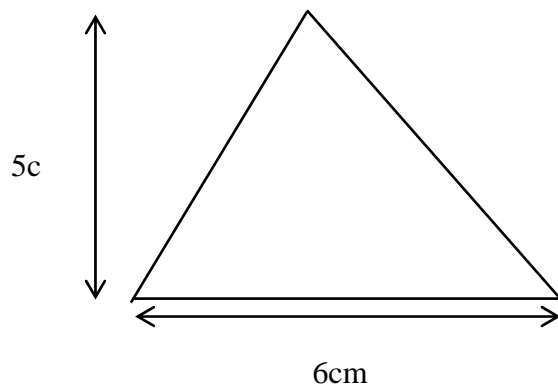
Question 9.

(a) Consider the shape below. Calculate the perimeter



NOT drawn to scale

(b) Calculate the area of this triangle.



NOT drawn to scale

Question 10.

A shop puts up this sign in a sale

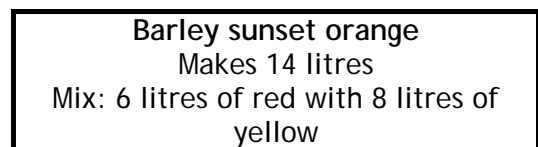
The original price of a watch was £64

What price is it being sold for in the sale?



Question 11.

A paint company has a method of mixing a particular shade of orange paint from red and yellow.



(a) Work out the amount of red paint to make 7 litres of orange paint.

(b) How many litres of yellow paint do you need to mix with 18 litres of red paint to make the special orange shade?

Question 12.

Given that $a = 5$, and $b = 2$, find the value of

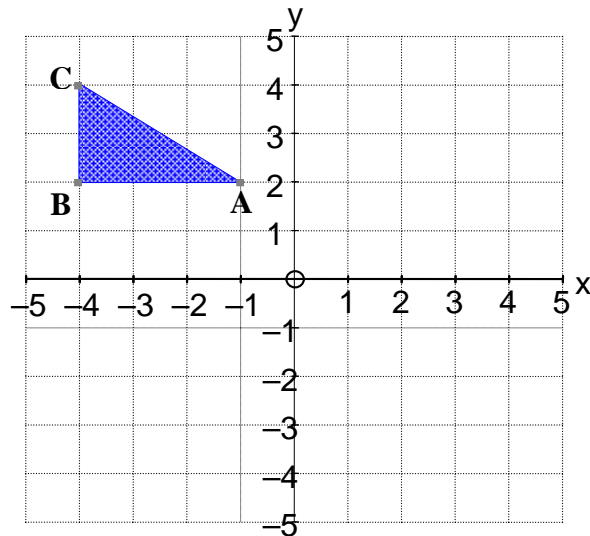
- (a) $3a - 2b$ (b) $\frac{6a}{b}$

Question 13.

- (a) Find the lowest common multiple of 9 and 12.
(b) Find the highest common factor of 56 and 64.

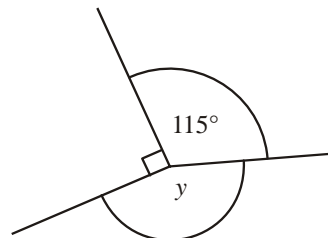
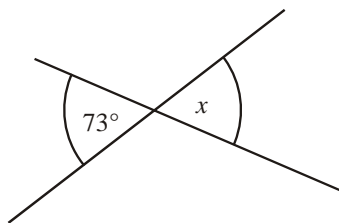
Question 14.

Reflect the triangle ABC in the y-axis and label it A'B'C'



Question 15.

Find angle x and angle y .



Not to scale

Question 16.

QUADRILATERAL

Each letter of the word above is printed on a card. The cards are placed down on a table. Jack picks a card at random.

- (a) What is the probability that he picks the letter R ?
(b) He replaces the card and picks up another. What is the probability that it has a vertical line of symmetry?

Question 17.

Complete the following table for $y = 2x + 1$

x	-1	0	1	2	3	4	5
y				5			

Plot these points on graph paper and join them up with a straight line.

Question 18.

A football stadium holds 60 000 people when full.

For a match the gates were opened at 7:00 pm and people started to enter the stadium.

By 7:30 pm the stadium was half full.

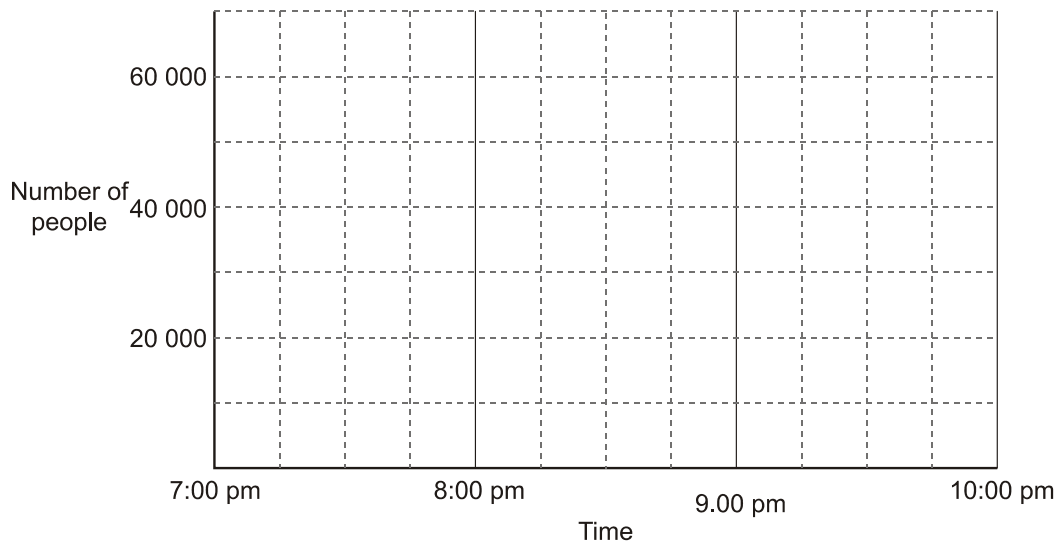
When the game started at 7:45 pm the stadium was full.

Between 9:30 pm and 9:45 pm 10 000 people left the stadium.

The game finished at 9:45 pm and the rest of the people began to leave the stadium.

The stadium was empty at 10:00 pm.

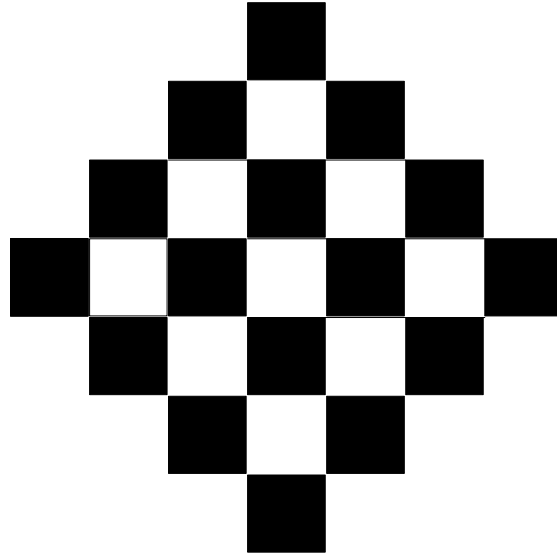
On the grid below draw a graph which could represent this information.



Only attempt this question if you have finished questions 1 - 18

This pattern is made up of black and white tiles

It is 7 tiles across.



In the Town Hall there is a pattern like this which is 149 tiles across.

How many tiles will it contain altogether?