

# Wallasey School Review Day

## Year 10 Mathematics Work



Name \_\_\_\_\_ Set \_\_\_\_\_ Teacher \_\_\_\_\_

# Edexcel GCSE

## Mathematics A (Linear)

### Paper 1 (Non-Calculator)

# Foundation Tier



### Mock Paper

Time: 1 hour 30 minutes

#### Materials required for examination

Ruler graduated in centimetres and millimetres, protractor, compasses, pen, HB pencil, eraser.  
Tracing paper may be used.

#### Items included with question papers

Nil

#### Instructions to Candidates

In the boxes above, write your centre number, candidate number, the paper reference, your surname and initials, and your signature. The paper reference is shown above. If more than one paper reference is shown, you should write the reference of the paper for which you have been entered.

Answer ALL the questions. Write your answers in the spaces provided in this question paper.

**You must NOT write on the formulae page. Anything you write on the formulae page will gain NO credit.**

If you need more space to complete your answer to any question, use additional answer sheets.

#### Information for Candidates

The marks for individual questions and the parts of questions are shown in round brackets: e.g. (2).

There are 31 questions in this question paper. The total mark for this paper is 100.

There are 24 pages in this question paper. Any blank pages are indicated.

**Calculators must not be used.**

#### Advice to Candidates

Show all stages in any calculations.

Work steadily through the paper. Do not spend too long on one question.

If you cannot answer a question, leave it and attempt the next one.

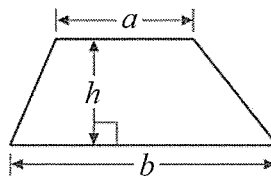
Return at the end to those you have left out.

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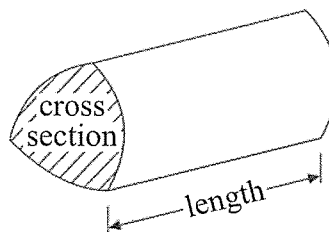
Formulae: Foundation Tier

**You must not write on this formulae page.  
Anything you write on this formulae page will gain NO credit.**

**Area of trapezium** =  $\frac{1}{2}(a+b)h$



**Volume of prism** = area of cross section  $\times$  length



**ALL THIRTY ONE questions.**

**Write your answers in the spaces provided.**

**You must write down all stages of your working.**

**You must NOT use a calculator.**

1. (a) Write the number **six thousand five hundred and seventy eight** in figures.

.....  
(1)

- (b) Write the number 5307 in words.

.....  
(1)

- (c) Write the number 5843 correct to the nearest ten.

.....  
(1)

- (d) Write down the value of the 6 in 3672

.....  
(1)

**(Total 4 marks)**

**Q1**

2. (a) Write three pounds seventy pence in figures.

£ .....  
(1)

- (b) Write two pounds four pence in figures.

£ .....  
(1)

**(Total 2 marks)**

**Q2**



3. Katie carried out a survey about her friends' favourite animals.

Here are her results.

Tiger	Lion	Dolphin	Elephant	Parrot
Lion	Dolphin	Tiger	Tiger	Elephant
Dolphin	Tiger	Elephant	Dolphin	Tiger
Dolphin	Parrot	Tiger	Lion	Elephant

(a) Complete the table to show Katie's results

Animal	Tally	Frequency
Dolphin		
Elephant		
Lion		
Parrot		
Tiger		

(3)

(b) Which animal was the most popular?

.....  
(1)

Q3

(Total 4 marks)

4. Write these numbers in order of size, from smallest to largest.

(a) 37    84    9    127    24

.....  
(1)

(b) 4    -6    1    -3    -1

.....  
(1)

(c) 0.975    0.99    0.0995    0.009    0.12

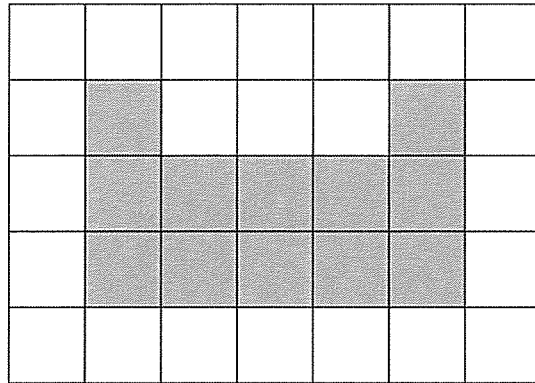
.....  
(1)

Q4

(Total 3 marks)



5. Here is a shaded shape on a centimetre grid.



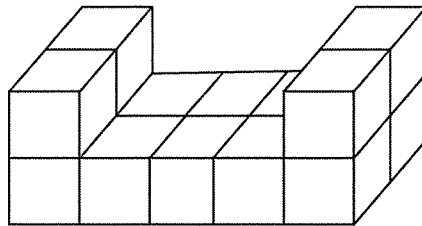
(a) Find the perimeter of the shaded shape.

..... cm  
(2)

(b) Find the area of the shaded shape.

..... cm<sup>2</sup>  
(1)

Here is a solid prism made from centimetre cubes.



(c) Find the volume of the solid prism.

..... cm<sup>3</sup>  
(1)

(Total 4 marks)

Q5



6. Work out

(i)  $4 \times 5 + 2$

.....

(ii)  $34 - 8 \times 3$

.....

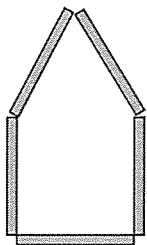
(iii)  $24 \div (9 - 6)$

.....

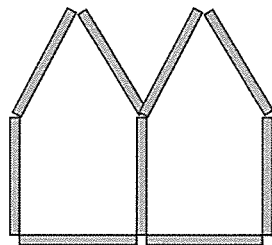
Q6

(Total 3 marks)

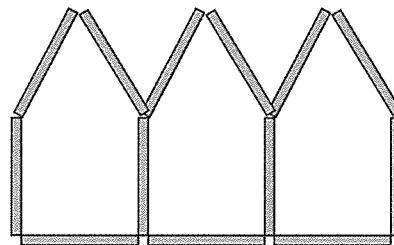
7. Here are some patterns made from sticks.



Pattern number 1



Pattern number 2



Pattern number 3

(a) In the space below, draw pattern number 4

Pattern number 4

(1)

(b) How many sticks are used in

(i) Pattern number 5

.....

(ii) Pattern number 10

.....

(2)

(c) Find an expression, in terms of  $n$ , for the number of sticks in Pattern number  $n$ .

.....

(2)

Q7

(Total 5 marks)



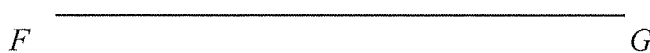
8. Work out an estimate for  $3.9 \times 102$

.....

Q8

(Total 2 marks)

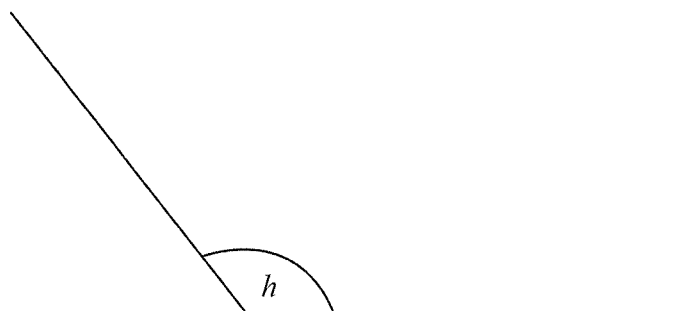
9. (a) Measure the length of the line  $FG$ .  
State the units with your answer.



.....

(2)

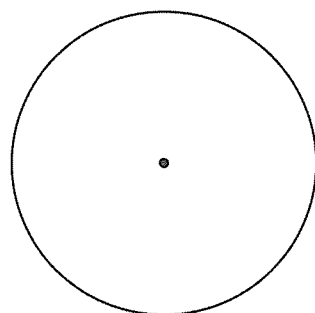
(b) Measure the size of angle marked  $h$ .



.....

(1)

(c) In the circle, draw a radius.



(1)

Q9

(Total 4 marks)

