Edexcel GCSE

Mathematics (Modular) – 2381

Paper 5 – Section A (Calculator)

Foundation Tier

Unit 1 Test – Data Handling

Monday 15 November 2010 – Morning

Time for Section A: 20 minutes

Materials required for examination	**Items included with question papers**
Ruler graduated in centimetres and millimetres, protractor, compasses, pen, HB pencil, eraser, calculator. Tracing paper may be used.	Nil

Instructions to Candidates

In the boxes above, write your centre number, candidate number, your surname, initials and signature.
Check that you have the correct question paper.
Answer ALL the questions. Write your answers in the spaces provided in this question paper.
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)**.
This section has 5 questions. The total mark for this section is 15. The total mark for this paper is 30.
There are 8 pages in this question paper. Any blank pages are indicated.
Calculators may be used for Section A only.
If your calculator does not have a π button, take the value of π to be 3.142 unless the question instructs otherwise.

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.

N 3 7 7 1 8 A 0 1 0 8

Turn over

edexcel
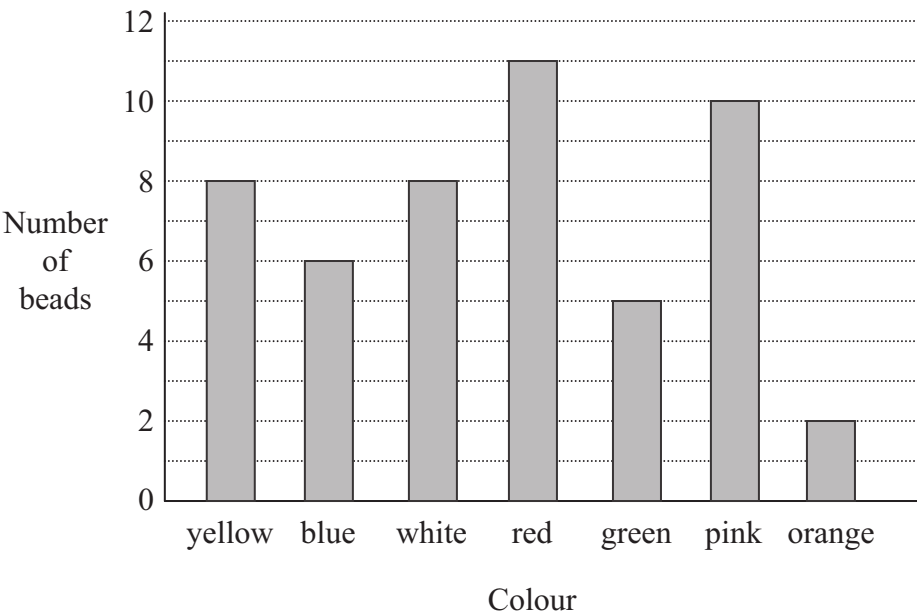advancing learning, changing lives

SECTION A

Answer ALL FIVE questions.

Write your answers in the spaces provided.

You must write down all stages in your working.

You may use a calculator in this section.

1. The bar chart gives information about the numbers of coloured beads in a jar.

(a) How many blue beads are in the jar?

....
(1)

Use the information from the bar chart to complete these sentences with the correct **colours**.

(b) (i) There are the same number of .... beads as

.... beads.

(ii) There are twice as many pink beads as .... beads.

(2)

(Total 3 marks)

2. The table shows some information about five people.

Name	Gender	Age (years)	Height (m)	Weight (kg)
Fred	Male	42	1.72	67
Graham	Male	53	1.63	75
Imogen	Female	62	1.47	48
Julie	Female	38	1.68	63
Kevin	Male	56	1.51	71

(a) Which two people are less than 50 years old?

.... and ....

(1)

One male is over 50 years old and weighs less than 73 kg.

(b) Write down the name of this male.

....

(1)

One person weighs over 65 kg and is taller than 1.65 m.

(c) Write down the name of this person.

....

(1)

(Total 3 marks)

Q2
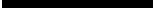
3. Mr Dee chooses **one** boy and **one** girl to help him.

Boys	Girls
Amit	Hajra
George	Jeannie
Pete	

One possible combination is (Amit, Hajra).

Write down all the possible combinations that Mr Dee can choose.
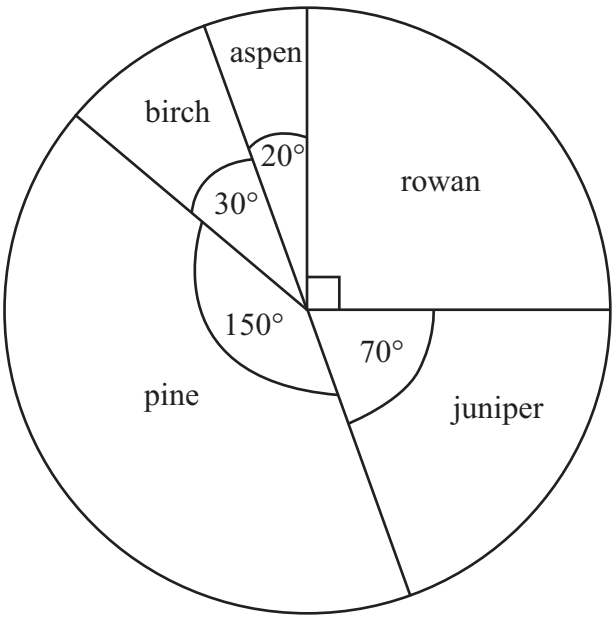The first one has been done for you.

(A, H) ....

....

(Total 2 marks)

4. Nandini did a survey about how many of each type of tree is in a forest.
The pie chart represents this information.

(a) Which type of tree is the most common?

....
(1)

There are 450 rowan trees in the forest.

(b) Work out the total number of trees in the forest.

....
(2)

(Total 3 marks)

5. Melissa records the numbers of hours 30 people were at a gym one month.
The table shows information about her results.

Number of hours (n)	Frequency		
$5 < n \leqslant 15$	1		
$15 < n \leqslant 25$	10		
$25 < n \leqslant 35$	3		
$35 < n \leqslant 45$	8		
$45 < n \leqslant 55$	8		

Work out an estimate for the mean.

.... hours

(Total 4 marks)

TOTAL FOR SECTION A: 15 MARKS

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