

FOR OFFICIAL USE

--	--	--	--	--	--

F

KU RE

--	--

2500/27/02

NATIONAL
QUALIFICATIONS
2012

WEDNESDAY, 2 MAY
9.40 AM - 10.20 AM

MATHEMATICS
STANDARD GRADE
Foundation Level
Paper 2

Fill in these boxes and read what is printed below.

Full name of centre

Town

Forename(s)

Surname

Date of birth

Day Month Year

--	--	--	--	--	--

Scottish candidate number

--	--	--	--	--	--	--	--	--	--

Number of seat

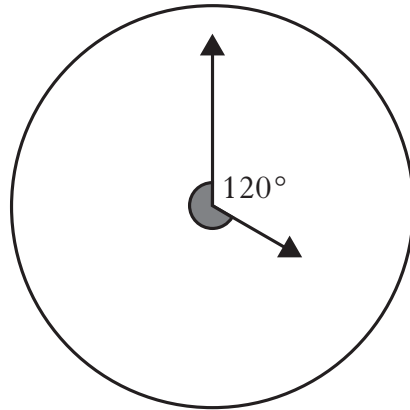
- 1 You may use a calculator.**
- 2 Answer as many questions as you can.
- 3 Write your working and answers in the spaces provided. Additional space is provided at the end of this question-answer book for use if required. If you use this space, write clearly the number of the question involved.
- 4 Full credit will be given only where the solution contains appropriate working.
- 5 Before leaving the examination room you must give this book to the Invigilator. If you do not, you may lose all the marks for this paper.



Marks

KU	RE
----	----

2. At 4 o'clock the hands of a clock make an angle of 120° as shown below.



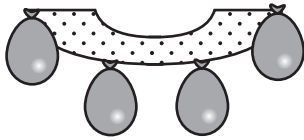
Calculate the size of the shaded angle.

WORKING	
ANSWER	°

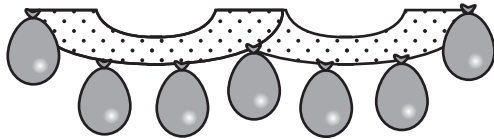
2

	KU	RE
4		
2		

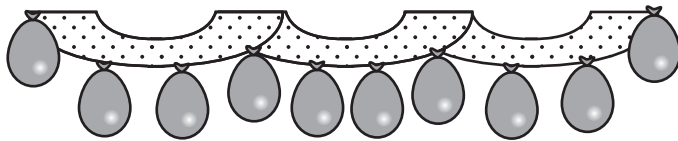
7. The Party Company uses balloons to make decorations in different sizes. Some of the decoration sizes are shown below.



Decoration size 1



Decoration size 2



Decoration size 3

(a) Complete this table.

Decoration size	1	2	3	4	5	6		11
Number of balloons	4	7						

WORKING

4

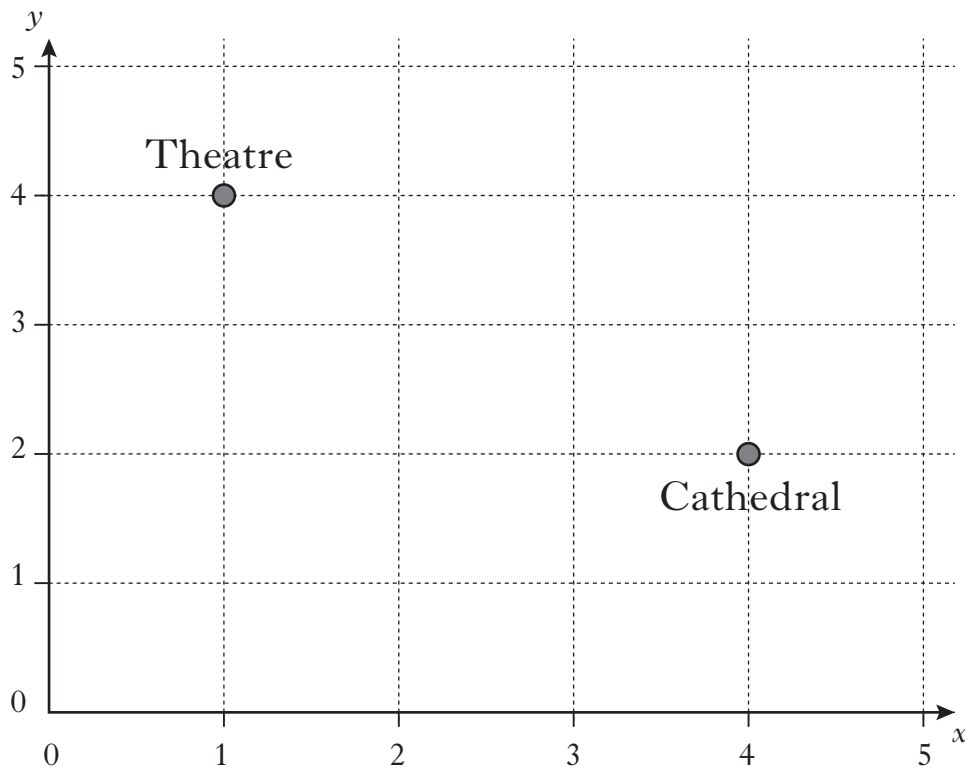
(b) Write down a rule for finding the number of balloons if you know the decoration size.

RULE

2

	KU	RE
1		
2		

9. The plan below shows some landmarks in the town centre.
The theatre is at position (1, 4).



- (a) Write down the position of the cathedral.

ANSWER	(,)
--------	-----------------



- (b) The theatre and the cathedral are the **opposite** corners of a rectangle.
Mark two crosses on the grid to show the other two corners of the rectangle.

13. Aileigh has the following coins in her purse.



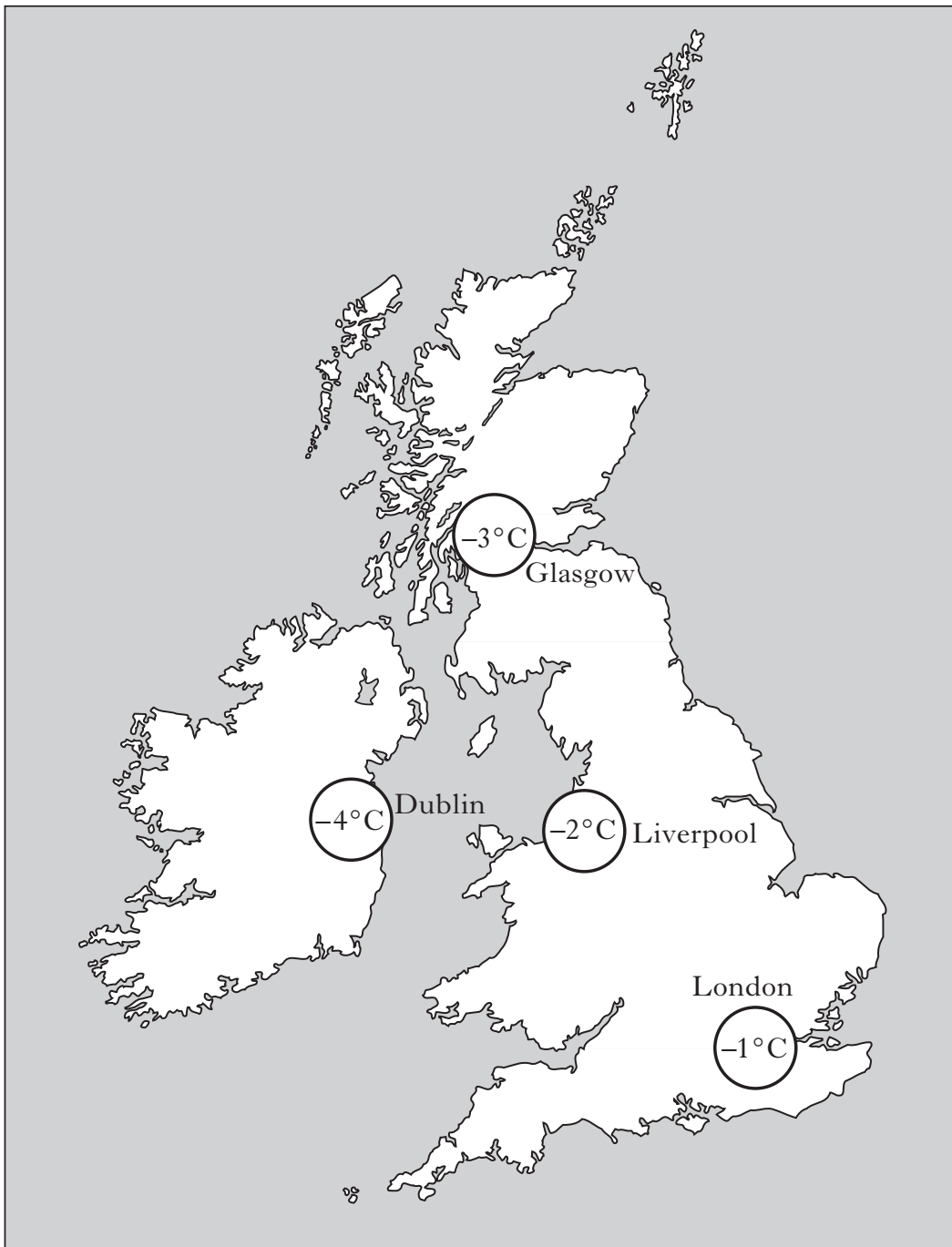
One way of making a total of 30 pence **using the coins in her purse** is shown in the table below.

Complete the table to show 5 other ways that Aileigh can make a total of 30 pence **using the coins in her purse**.

				
1	0	2	0	0

3

14. One December night, the temperatures in four cities were recorded. The results are shown on the map below.



Which city was warmest?

ANSWER	
--------	--

1

