

A



Surname _____

Other Names _____

Centre Number _____

Candidate Number _____

Candidate Signature _____

I declare this is my own work.

Functional Skills Level 2

MATHEMATICS

Paper 1 Non-Calculator

8362/1

Time allowed: 30 minutes

At the top of the page, write your surname and other names, your centre number, your candidate number and add your signature.

[Turn over]



N 0 V 2 1 8 3 6 2 1 0 1

For this paper you must have:
• **mathematical instruments.**
You must NOT use a calculator.



INSTRUCTIONS

- **Use black ink or black ball-point pen. Draw diagrams in pencil.**
- **Answer ALL questions.**
- **You must answer the questions in the spaces provided. Do not write on blank pages.**
- **If you need extra space for your answer(s), use the lined pages at the end of this book. Write the question number against your answer(s).**
- **Do all rough work in this book. Cross through any work you do not want to be marked.**
- **State the units of your answer where appropriate.**



INFORMATION

- The marks for questions are shown in brackets.
- The maximum mark for this paper is 20.
- You may ask for more answer paper, graph paper and tracing paper. These must be tagged securely to this answer book.

ADVICE

In all calculations, show clearly how you work out your answer.

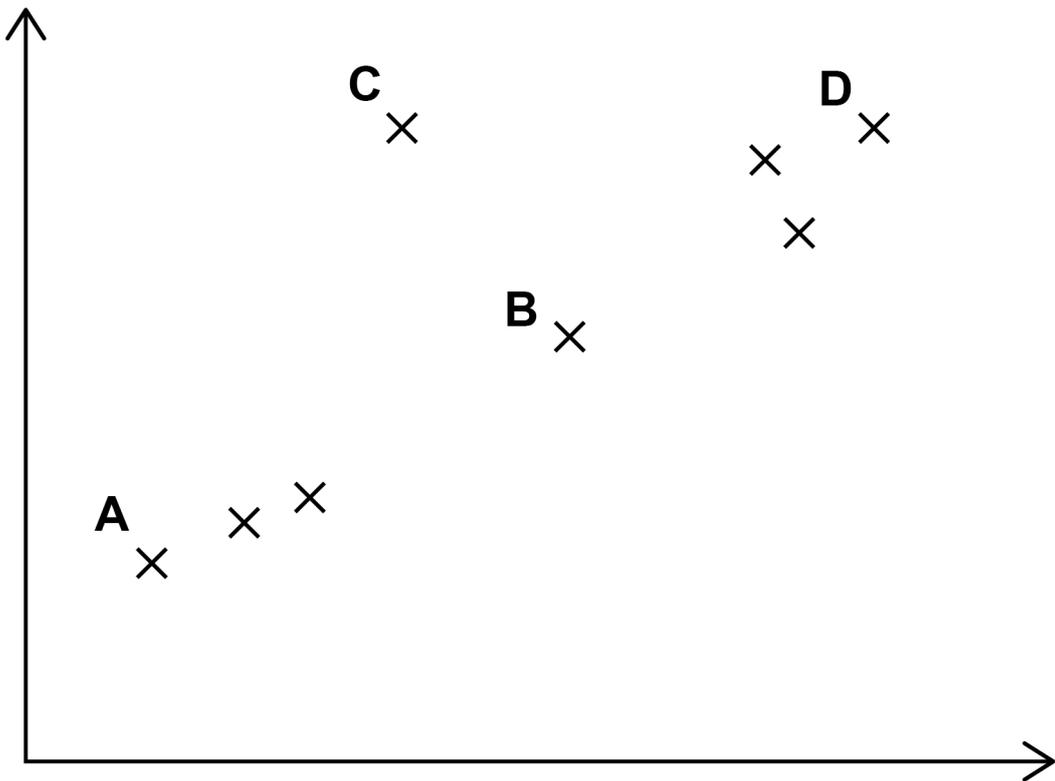
DO NOT TURN OVER UNTIL TOLD TO DO SO



SECTION A

Answer ALL questions in the spaces provided.

1 Here is a scatter diagram.



Four of the points are labelled.

Which one of these points is an outlier?

Circle your answer. [1 mark]

A

B

C

D



2 Work out $942\,795 - 350\,823$ [1 mark]

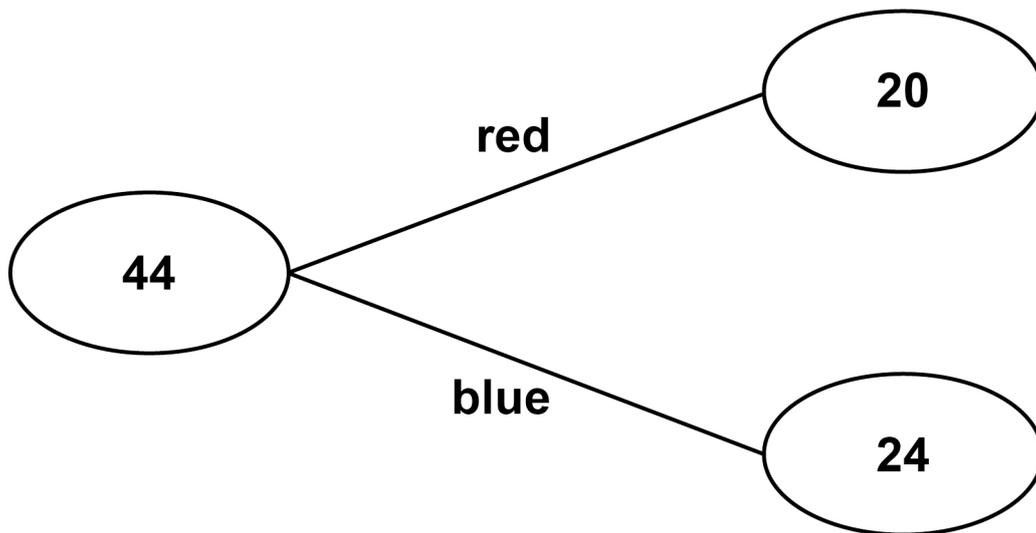
Answer _____

[Turn over]



- 3 The frequency tree shows information about the colour of 44 items.

One of the items is chosen at random.



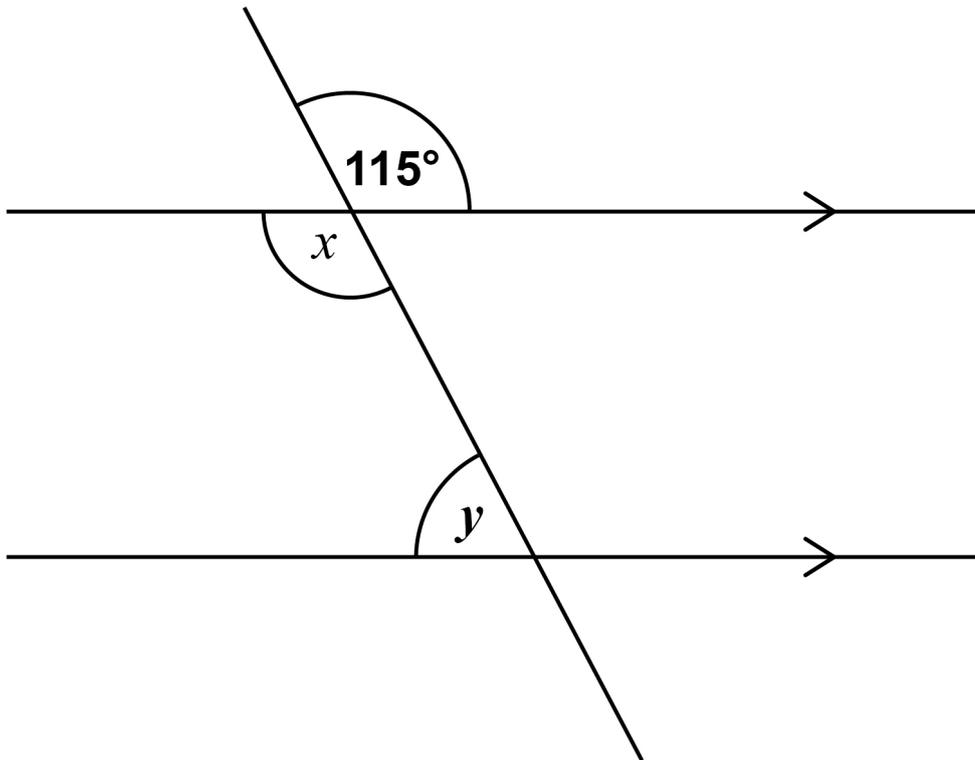
Work out the probability that the item is BLUE.

Give your answer as a fraction in its simplest form.
[2 marks]

Answer _____



5



The diagram is not drawn accurately.

Work out the size of angle x and the size of angle y . [2 marks]



$x = \underline{\hspace{15em}} \circ$

$y = \underline{\hspace{15em}} \circ$

[Turn over]

8



SECTION B

Answer ALL questions in the spaces provided.

6 BABY

Jo has a baby.

She calls the baby Ella.

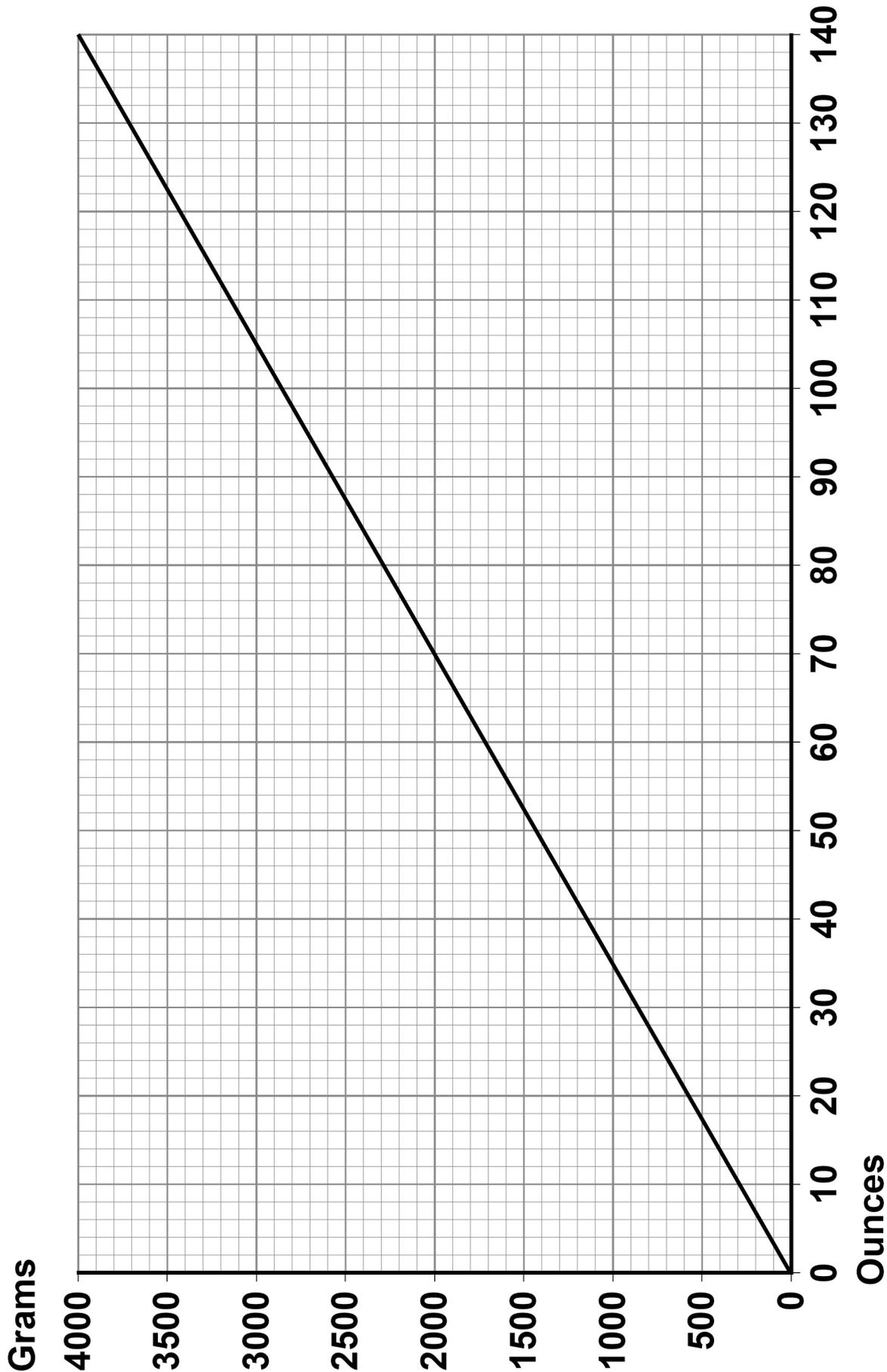


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6 (a) The graph can be used to convert between grams and ounces.



At birth, Ella weighed 3.5 kg

Did Ella weigh MORE THAN 8 pounds?

Use 1 pound = 16 ounces

You MUST show your working. [4 marks]

[Turn over]



- 6 (b) Here are the birth weights of 7 other babies born on the same day as Ella.

Weight (kg)	2.3	2.5	2.7	3.6	4	4	4
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Jo's mum says,

“Ella's weight of 3.5 kg is more than the average weight of the other 7 babies.”

Jo says,

“It depends on which type of average you use.”

Show that Jo is correct. [4 marks]



6 (c) Jo sees this special offer on a pack of nappies.

$\frac{1}{3}$ off usual price
Nappies
Pack of 25
Usual price £6.75

Jo normally buys nappies that cost 21p each.

How much will Jo save PER NAPPY by buying this pack?

You MUST show your working. [4 marks]

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For Examiner's Use	
Question	Mark
1–5	
6	
TOTAL	

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