

Please write clearly in block capitals.

Centre number

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Candidate number

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Surname

Forename(s)

Candidate signature

Functional Skills Level 2 MATHEMATICS (8362)

Paper 1 Non-Calculator Paper

Specimen paper

Time allowed: 30 minutes

Materials

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 outside the box around each page or on blank pages.
- 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.

Section AAnswer **all** questions in the spaces provided.

- 1** What is $\frac{3}{5}$ as a decimal?
Circle your answer.

[1 mark]

0.06

0.35

0.53

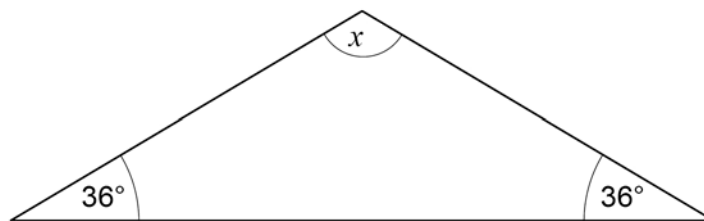
0.6

- 2** Work out $7 - 2.835$

[1 mark]

Answer _____

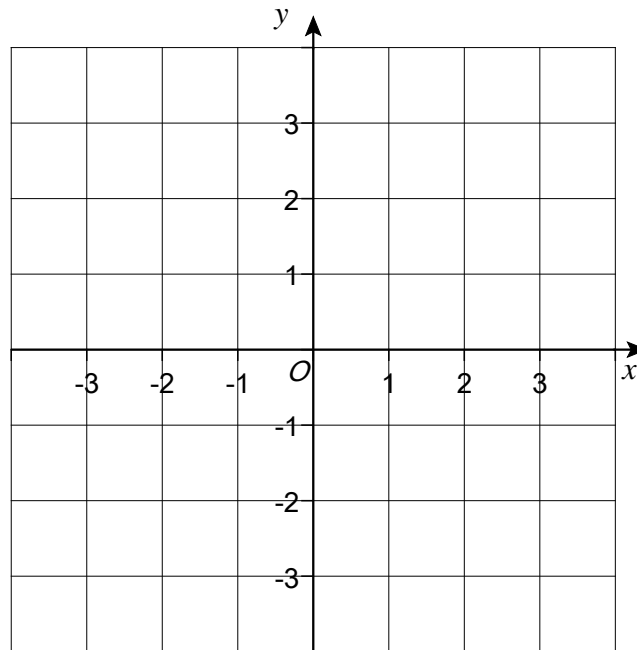
- 3** Work out the size of angle x in this triangle.

[2 marks]Not drawn
accurately

Answer _____^o

- 4 Plot the point $(-3, 2)$ on this grid

[1 mark]



- 5 Work out $25 - 2 \times 3^2$

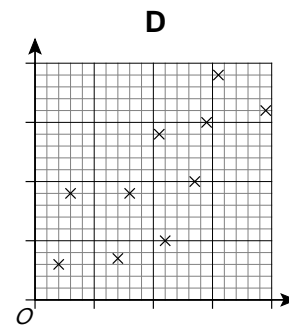
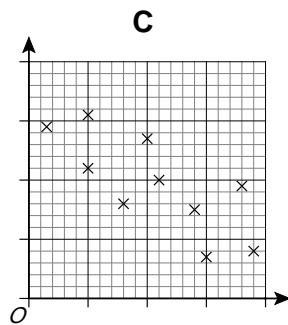
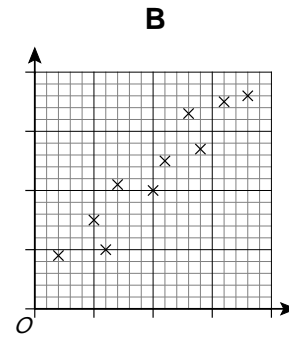
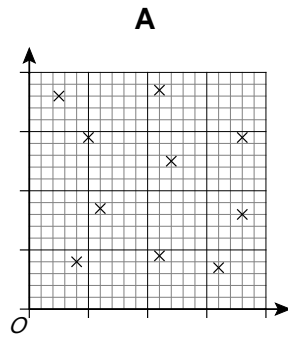
[2 marks]

Answer _____

Turn over for the next question

6

A, B, C and D are scatter diagrams.



Which diagram shows negative correlation?
Circle your answer below.

[1 mark]

A**B****C****D**

*Do not write
outside the
box*

Turn over for the next question

**DO NOT WRITE ON THIS PAGE
ANSWER IN THE SPACES PROVIDED**

Turn over ►

Section B

Answer **all** questions in the spaces provided.

7 Market stall

Lisa makes fudge and sells it on a market stall.

7 (a) Lisa makes fudge using these ingredients.

sugar	500	grams
butter	85	grams
evaporated milk	175	grams
milk	150	millilitres
flavouring	20	millilitres

This makes enough fudge for 4 boxes.

Lisa wants to make enough fudge for 48 boxes.

She already has 1.4 kilograms of sugar.

Sugar is sold in 1 kilogram bags.

How many bags of sugar does she need to buy?

[5 marks]

Answer _____

7 (b) Lisa sells the fudge in three flavours: strawberry, vanilla and mint.

She looks at the number of boxes of each flavour she has sold in the last few weeks.

Strawberry 60

Vanilla 140

Mint 40

This week, Lisa makes 48 boxes.

Using the data above, how many boxes of each flavour should she make?

You **must** show your working.

[4 marks]

Strawberry _____

Vanilla _____

Mint _____

Question 7 continues on the next page

7 (c) Lisa has to drive 50 miles to the market.

The market starts at 9 am

She needs to arrive at least half an hour before the market starts.

She leaves home at 7.10 am

Lisa says,

“If I drive at an average of 40 miles per hour I will be there in time.”

Is she correct?

You **must** show your working.

[3 marks]

END OF QUESTIONS

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