

Please write clearly in block capitals.

Centre number

Candidate number

Surname _____

Forename(s) _____

Candidate signature _____

I declare this is my own work.

Functional Skills Level 1

MATHEMATICS

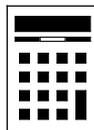
Paper 2 Calculator

Tuesday 25 February 2020 Afternoon Time allowed: 1 hour 30 minutes

Materials

For this paper you must have:

- a calculator
- mathematical instruments.



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.
- 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 60.
- 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.

For Examiner's Use	
Question	Mark
1–8	
9	
10	
11	
12	
TOTAL	



M A R 2 0 8 3 6 1 2 0 1

IB/M/Mar20/E6

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QAN 603/4257/2

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

- 1** Which type of angle is the largest?
Circle your answer.

[1 mark]

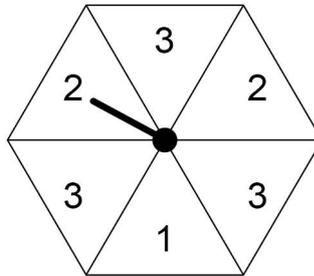
obtuse

reflex

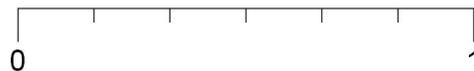
acute

right

- 2** This fair six-sided spinner is spun once.



Draw an arrow on the scale to show the probability of landing on an odd number.

[1 mark]

- 3** Write in digits one hundred and twenty four thousand six hundred and fifty

[1 mark]

Answer _____

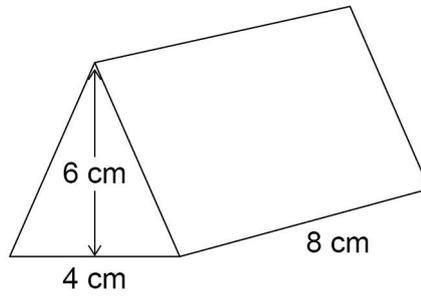


4 A triangular prism has width 4 cm, height 6 cm and length 8 cm

Sketch a net of the prism.

Label the given dimensions on your net.

[2 marks]



Turn over for the next question

Turn over ►



5 Round 7.8652 to 2 decimal places.

[1 mark]

Answer _____

6 Convert 1200 grams to kilograms.

[2 marks]

Answer _____ kilograms



7 How many days are there in October?

[1 mark]

Answer _____

8 Increase 250 by 30%

[3 marks]

Answer _____

12

Turn over for Section B

Turn over ►



9 (b) Megan is starting a new dance class.

The floor space available for the dancers is a rectangle measuring 13.8 m by 7.1 m

Each dancer needs 4 m² of floor space.

Work out the maximum number of dancers that can be in the dance class.

[4 marks]

Answer _____

Question 9 continues on the next page

Turn over ►



10 Indoor climbing centre

- 10 (a)** At a climbing centre there must be at least 1 member of staff for every 7 climbers.
There are 6 members of staff for one session.
23 climbers have booked for this session.

Work out how many **more** climbers can book for this session.

[3 marks]

Answer _____

Question 10 continues on the next page

Turn over ►

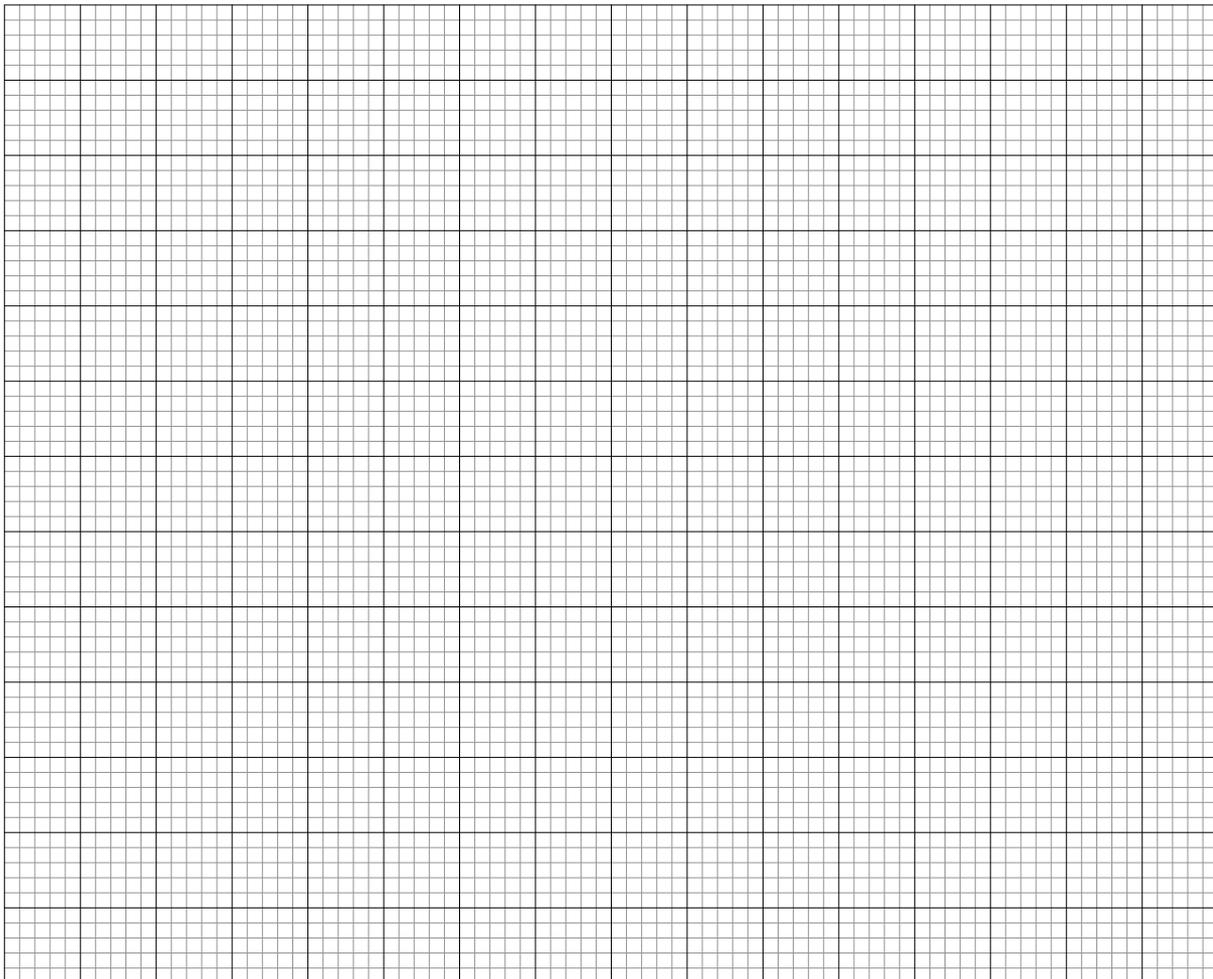


- 10 (b)** The table shows the number of climbers that visited the climbing centre on Monday to Friday one week.

	Monday	Tuesday	Wednesday	Thursday	Friday
Adults	18	15	12	21	18
Children	23	21	22	23	20

Show this information on a suitable diagram.
Use the grid below.

[5 marks]



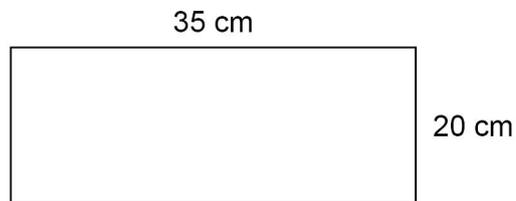
12 Handbags

Jon makes handbags to sell online.



Jon wants to make 50 handbags.

12 (a) For each handbag Jon needs a rectangle of leather measuring 35 cm by 20 cm



He cuts the rectangles from sheets of leather measuring 120 cm by 100 cm

The grid on the opposite page is a scale drawing of a sheet of leather.

Jon says,

“I need 4 sheets of leather to make 50 handbags.”

Is he correct?

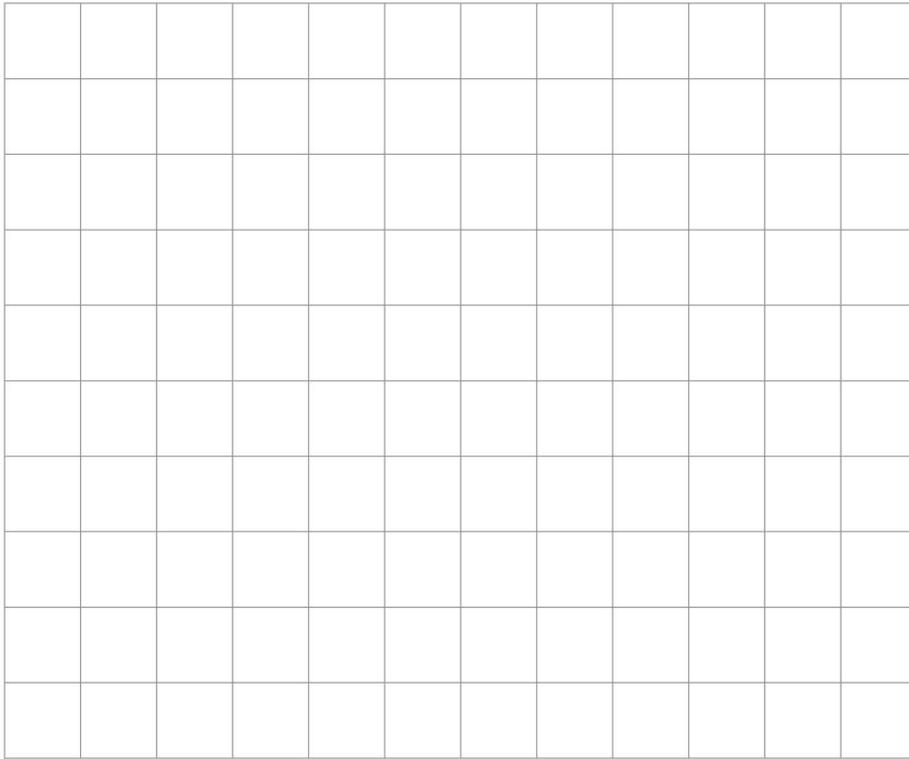
You may use the grid to help you.

You **must** show your working.

[5 marks]



Scale: 1 cm represents 10 cm



Question 12 continues on the next page

Turn over ►



12 (c) The table shows the costs for making the 50 handbags.

	Cost for 50 handbags
Leather	£252.50
Chain	£33.50
Fasteners	£119.50
Other costs	£87.00

Jon expects to sell all 50 bags.

He wants to make at least £3.50 profit on each bag.

Work out the **minimum** price he should sell each bag for.

[4 marks]

Answer £ _____

14

END OF QUESTIONS



There are no questions printed on this page

*Do not write
outside the
box*

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



