

| Please write clearly in | n 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

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.

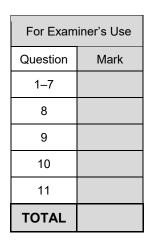
Information

- 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.
- If your calculator does not have a π button, take the value of π to be 3.142

Advice

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





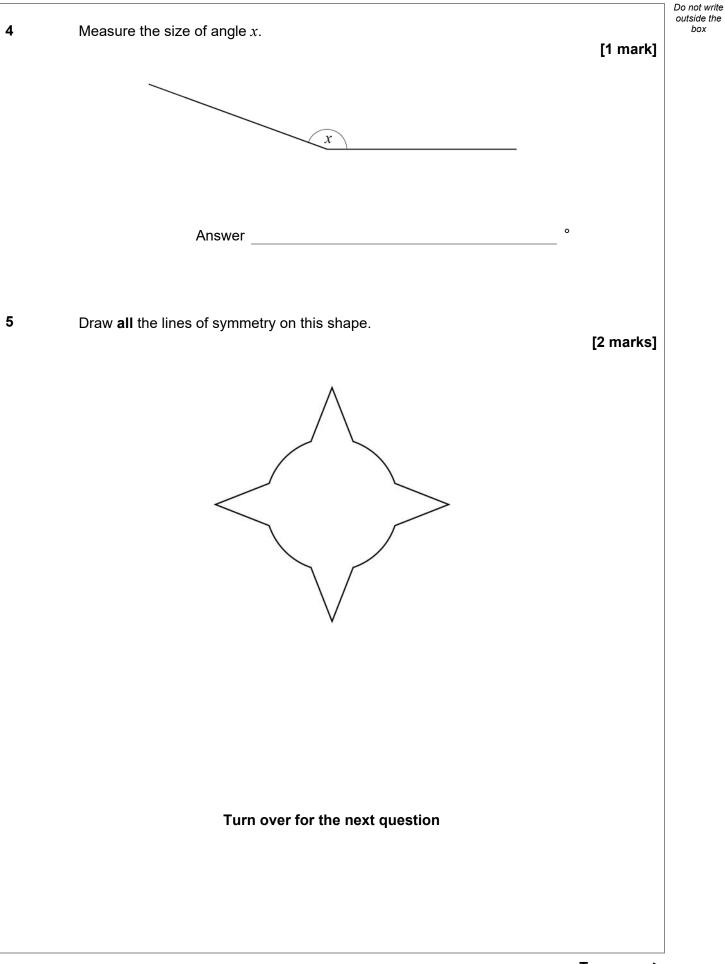
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| | | A | | | tion A | | | | |
|------|----------|-------------|-----------|-------------|--------------|--------------|-----------|----------|------------------|
| Circ | | | | | | ices provide | | | |
| Circ | ie (| nirty two t | nousand | l and eigh | ty nine | written in d | igits. | | [1 mark] |
| | | 3289 | | 30 289 | | 32 089 | | 320 089 | |
| A fa | ir, ordi | nary dice | is rolled | once. | | | | | |
| On f | the line | e, mark wi | th an 'X' | the proba | ability that | the dice lar | nds on an | even num | ber. [1 mark] |
| | 0 | I | | I | 1 | | | 1 | |
| | | | | | | | | | |
| Writ | e thes | e number | s in orde | r, starting | with the s | mallest. | | | [2 marks] |
| | - | -8 | 3 | -5 | -1 | 2 | 0 | -2 | 2 |
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| | Answ | /or | | | | | | | |
| | Answ | | | | | | | | |
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| Work out which is smaller, You must show your worki | | or | 20% of 120 | | |
|---------------------------------------------------------------|------|----|------------|----|-----------|
| Tou must show your worki | ing. | | | | [3 marks] |
| | | | | | |
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| Here are five numbers. | | | | | |
| 37 | 58 | 19 | 12 | 58 | |
| Work out the range. | | | | | |
| | | | | | [2 marks] |
| | | | | | |
| Answer | | | | | |
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Section B

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

8 Charity shop

Melissa works in a charity shop.

People donate clothing to the shop.

Some of the clothing is sold in the shop and some is sold for recycling.

8 (a) Melissa keeps a record of the clothing sold in the shop one month.

| Item of clothing | Tally | Frequency |
|------------------|-------|-----------|
| Shirt | ₩₩₩ | |
| Coat | ₩ | |
| Jumper | ₩₩₩₩Ш | |
| Dress | ₩ ₩ I | |

Melissa says,

"More than a quarter of the items sold were shirts."

Is Melissa correct?

You **must** show your working.

[5 marks]

Question 8 continues on the next page



Turn over ►

| When Melissa sells clothing for recycling, she receives | |
|-------------------------------------------------------------------|-----------|
| a basic amount of £1.20 per 500 g of clothing | |
| 10% extra if she sells a batch with more than 100 kg of clothing. | |
| Melissa sells a batch with 143.5 kg of clothing for recycling. | |
| How much does she receive? | |
| | [5 marks] |
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| Answer £ | |
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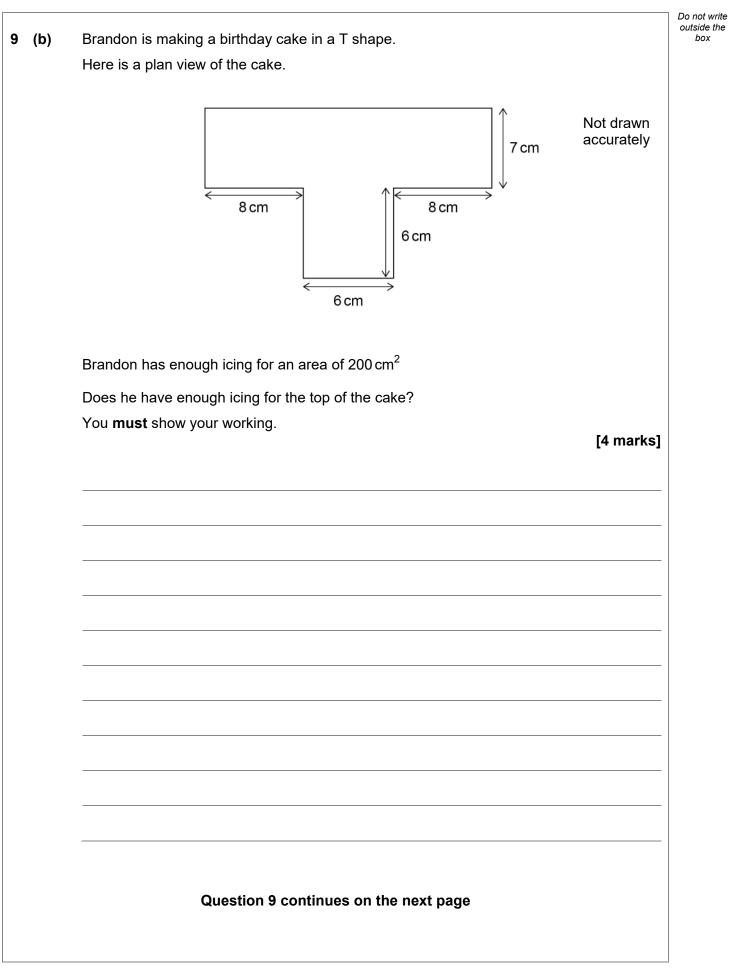
| | | Do not write |
|-----|-----------------------------------------------|--------------------|
| | Bakery | outside the box |
| | Brandon works in a bakery. | |
| (a) | Brandon uses scone mix to make scones. | |
| | He needs 360 g of scone mix to make 8 scones. | |
| | Brandon | |
| | wants to make 40 scones | |
| | has 200 g of scone mix. | |
| | How much more scone mix does he need? | |
| | [3 marl | ks] |
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| | Answer g | |
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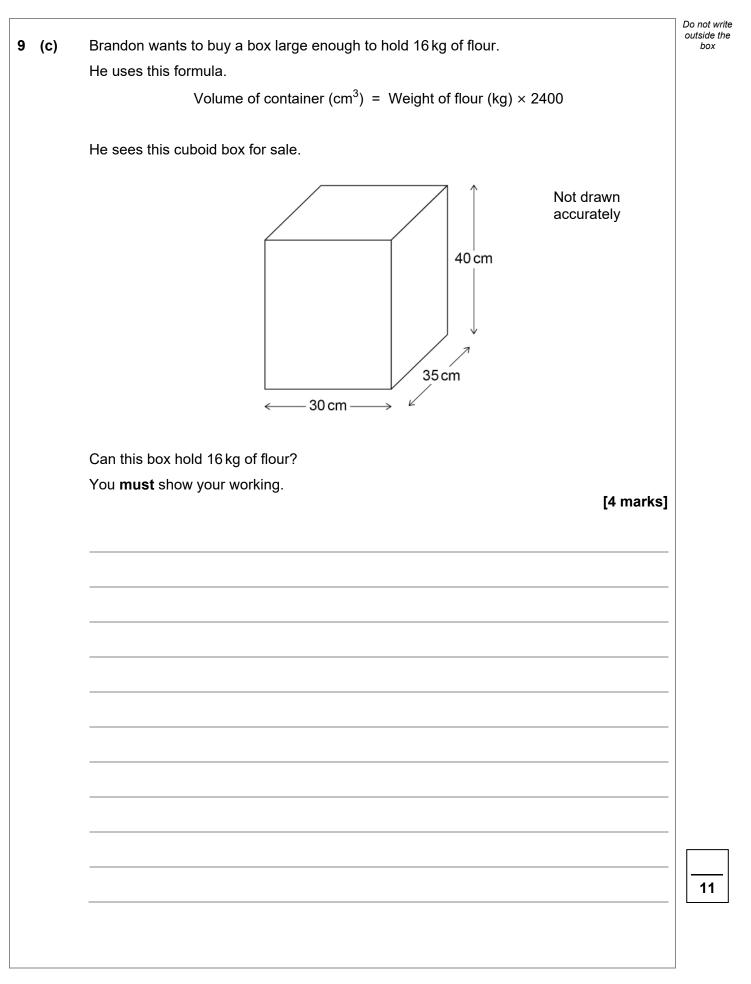
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9





Turn over ►





| 10 | Working from home Spencer works from home for a call centre. | |
|--------|--------------------------------------------------------------------------------------------------------|-------------|
| 10 (a) | Spencer works 3 days a week from 7.30 am until 12 noon each day. He is paid £151.47 per week. | |
| | | |
| | Is this more than £11 per hour? You must show your working. | |
| | | [4 marks] |
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| | Question 10 continues on the next page | |
| | | Turn over ▶ |



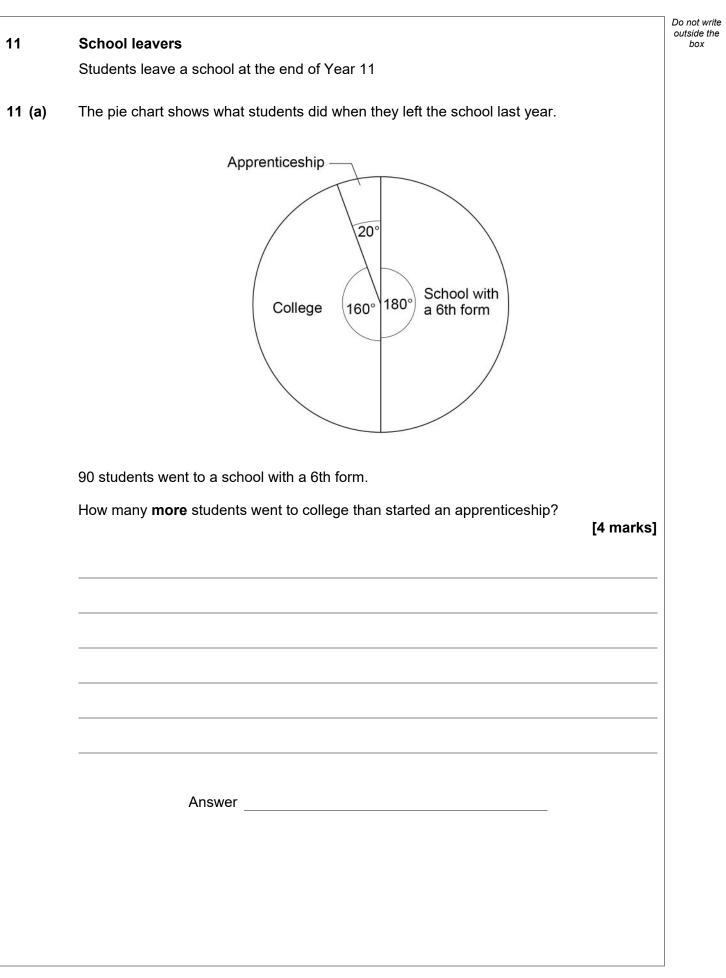
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| 10 (b) | Spencer can claim an amount for each page he prints for work. | | Do not wn outside th box |
|--------|---------------------------------------------------------------|-----------|--------------------------------|
| ., | One month, | | |
| | he claimed £2.76 | | |
| | he printed 138 pages. | | |
| | The next month, he printed 97 pages. | | |
| | At the same rate, how much can Spencer claim? | [2 marks] | |
| | | [3 marks] | |
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| | Answer £ | | |
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|--------|------------------------|------------------|----------------|-----------------|---------------|-----------|-----------------------------|
| 10 (c) | Spencer makes pl | | | | | | box |
| | He has a target th | | | | than 5 minute | es. | |
| | Here are the times | s that his calls | s lasted one c | lay. | | | |
| | | | | | | | |
| | | Time | spent on pho | one calls in mi | nutes | | |
| | 7 | 3 | 2 | 11 | 7 | 5 | |
| | 6 | 5 | 9 | 1 | 6 | 7 | |
| | | | | | | | |
| | Did Spencer hit hi | s target that (| tav? | | | | |
| | You must show y | | iay: | | | | |
| | | g. | | | | [3 marks] | |
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| | | Turn ove | er for the nex | t question | | | |
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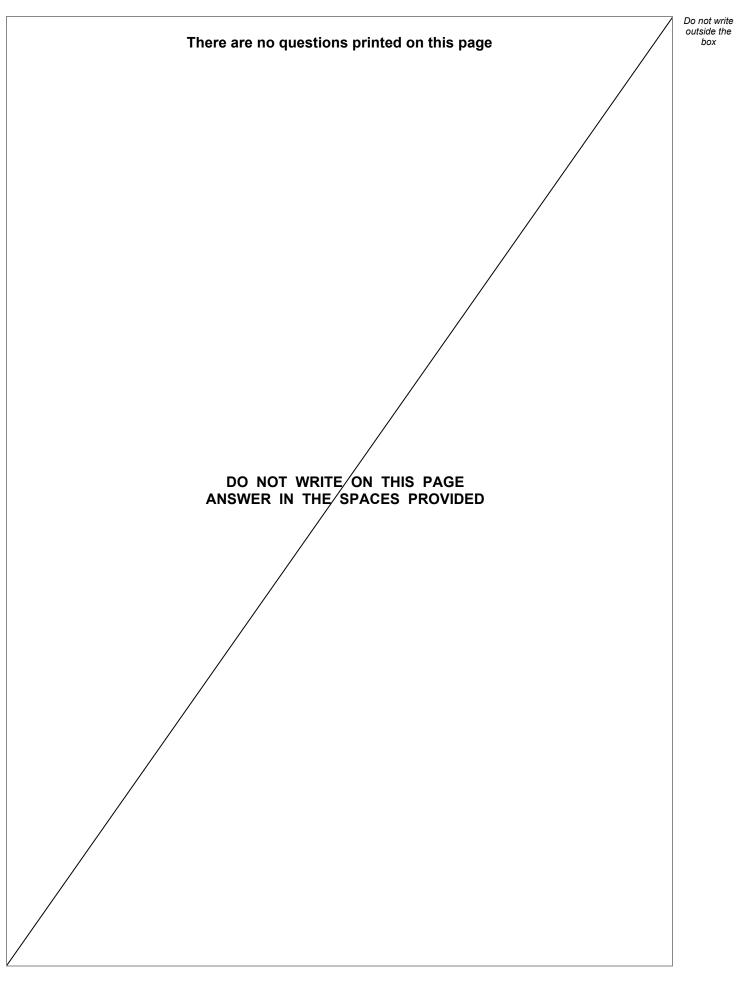


| 11 (b) | On the last day, the students will | Do not write outside the box |
|--------|---------------------------------------------|------------------------------------|
| () | have a 40-minute lunch | |
| | then a 15-minute registration | |
| | then a 35-minute assembly. | |
| | The students will leave school at 1.50 pm | |
| | What is the latest time lunch should start? | |
| | [3 mai | ˈks] |
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| | Answer | |
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| | Question 11 continues on the next page | |
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| He needs to buy two jackets. He sees these offers in two shops. | ayer. | box |
|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----|
| Shop A | Shop B | |
| Jackets usual price £24 | Jackets usual price £21.80 | |
| Special Offer $\frac{1}{3}$ off the usual price | Special Offer Buy one, get second half price | |
| He wants to pay the lowest price possible Which of these shops should Javed choo You must show your working. | | s] |
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| END OF QUE | STIONS | 13 |







| Question number | Additional page, if required. Write the question numbers in the left-hand margin. |
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