

TQUK Functional Skills Qualification in Maths at Level 1

Examination Past Paper 1

Please complete the details below using black or blue ink. Use **BLOCK CAPITALS**.

Learner Name: _____

Learner Number: _____

Date: _____

Centre Name: _____

Instructions:

- Read each question **carefully**
- Answer **all** questions
- Write your answers **clearly** in the spaces provided
- **Check** your answers.

Information:

- This examination has **two** sections. These are clearly labelled
- You are **not allowed** to use a calculator for Section A
- You **are allowed** to use a basic calculator for Section B
- The **maximum** mark for this examination is 60
- The marks available for each question are shown in **bold** beneath each question.

Items:

- You **will need** a pen with black or blue ink, a pencil, a ruler and an eraser (for diagrams, graphs and charts only)
- You **will need** a basic calculator for Section B only
- You **will need** a protractor and a compass
- You **will not** need any other stationery or equipment.

Time allowed:

30 minutes for Section A (Non-calculator)

90 minutes for Section B (Calculator)

Do not open this examination paper until you are told to do so.

For examiner use only

	Marks available	Marks awarded	Second marks
Section A	15		
Section B	45		
Total marks	60		

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Section A: Non-calculator

There are **15 marks** available in this section.
You must **not** use a calculator in this section.
You will have **30 minutes** to complete this section.



1. Work out $0.4 + 0.19$

Answer	

[1]

2. Work out 5^2

Answer	

[1]

3. Work out 704×1000

Answer	

[1]

Questions continue on the following page

4. Work out $0.8 \div 10$

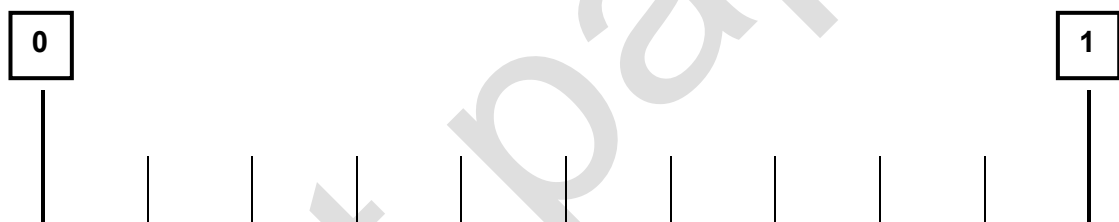
Answer

[1]

5. There are 20 sweets in a bowl.
One sweet is chosen at random.

The probability that a lemon sweet is chosen is $\frac{6}{20}$

Mark this probability on the probability scale:



[1]

6. Sam pays £1600 into a new savings account.
The savings account pays 5% interest each year.
How much money will be in the savings account after one year?

Answer £

[2]

7. Work out the range of these numbers:

0.9

0.04

0.75

0.63

0.8

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Answer	
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[2]

8. Work out $42 + 8 \times 6$

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Answer	
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[2]

Questions continue on the following page

- 9.** The table shows the amounts of flour a baker needs to make these items:

Item	Amount of Flour
Cake	1.05 kg
Flapjacks	860 grams
Brownies	500 grams

The baker has 2.5 kilograms (kg) of flour in total.

Does the baker have enough flour?

Show how you decide.

[illegible]

[4]

End of Section A.

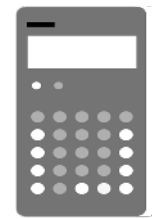
Section B begins on Page 6.

Section B: Calculator

There are **45 marks** available in this section.

You **can** use a basic calculator in this section.

You will have **90 minutes** to complete this section.



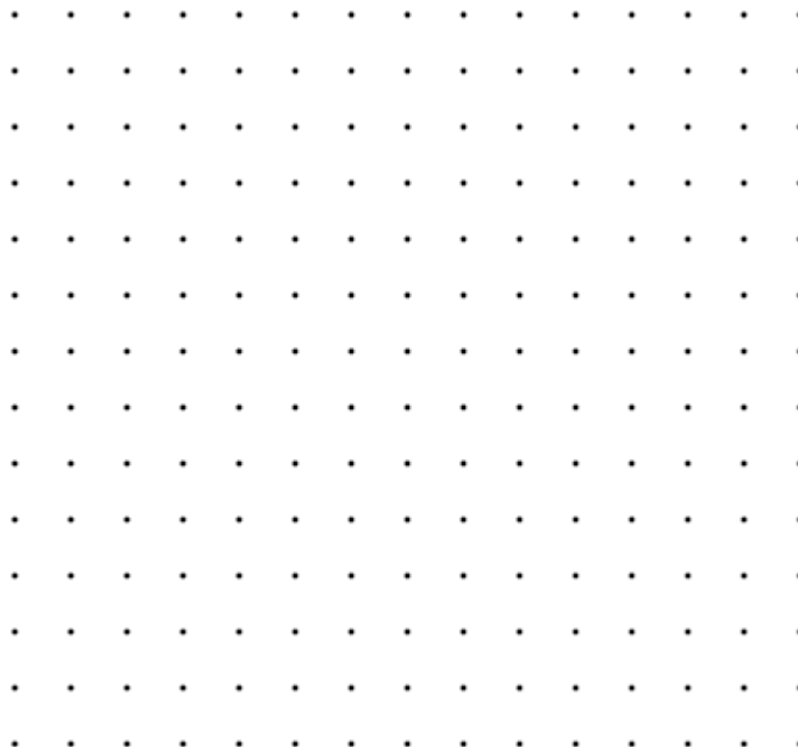
1. Round 14.855 to two decimal places.

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Answer	
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[1]

2. Draw a quadrilateral on this grid:



[1]

3. Calculate the total of this shopping list:

Item	Price
Milk	90p
Eggs	£2.54
Bread	36p
Total	£

Give your answer in pounds (£).

Answer	£

[2]

Questions continue on the following page

4. Jude wants to buy a new sofa.

Jude finds the sofa for sale in two shops for the same original price.

Shop A
Sofa
Now 15% off

Shop B
Sofa
Now $\frac{1}{8}$ off

Which shop is offering the bigger discount?

Show how you decide.

	Answer
--	---------------

[2]

5. Leslie and Bo share £560 in the ratio 1 : 7

How much does each person get?

	Leslie	£
	Bo	£

[2]

6. Lee thinks that five hundred thousand centimetres (cm) is equal to 50 kilometres (km).

Is Lee correct?

Show how you decide.

Past paper	
Answer	

[3]

Questions continue on the following page

7. The table shows the profit a company made each month for the last 5 months:

Month	January	February	March	April	May
Profit (£)	£12 300	£8730	£9500	£9275	£10 250

The manager says:

"We have made a mean average profit of more than £10 000 a month."

Is the manager correct?

Show how you decide.

Answer	

[3]

8. Hayden wants to buy 6 T-shirts and finds these offers online:

Offer A

Pack of 6 T-shirts

Was £32.00

Now 20% off

Offer B

T-shirts

£6.33 each

Buy 2 Get 1 Free

Hayden wants to buy the T-shirts that cost the least amount of money.

Which offer should Hayden choose?

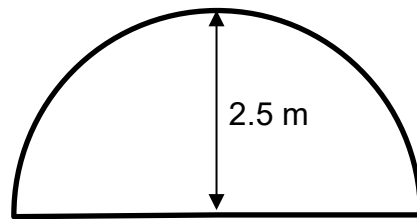
Show how you decide.

Answer

[3]

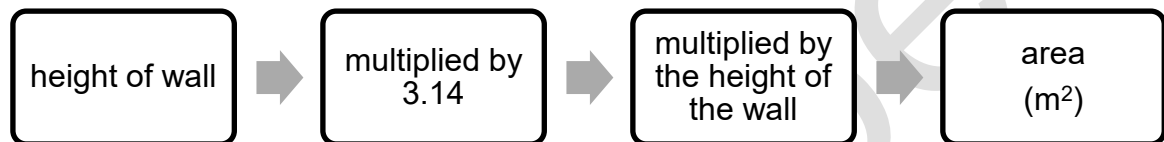
Questions continue on the following page

9. Cameron needs to apply two coats of paint to this wall:



Not drawn to scale

To work out the total area that needs to be painted, Cameron uses this rule:



Cameron thinks the total area to be painted is more than 20 m²

Is Cameron correct?

Show how you decide.

Large empty rectangular box for showing the calculation.

Answer

[3]

10. Morgan sees these two cakes in a shop:

Lemon Cake
Total weight 920 grams
25% sugar

Chocolate Cake
Total weight 750 grams
30% sugar

Morgan wants to buy the cake with the least amount of sugar in total.

Which cake should Morgan buy?

Show how you decide.

<div>Answer</div>	
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[3]

Questions continue on the following page

11. Jesse catches the 10:45 am train to visit Kai.

The train ride will take $1\frac{1}{4}$ hours.

It is then a 30-minute walk to Kai's house.

Jesse expects to get to Kai's house before 12:45 pm.

Is Jesse correct?

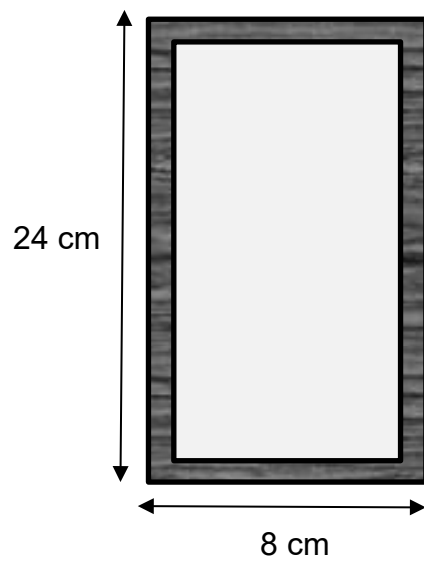
Show how you decide.

Past paper	
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Answer	
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[3]

12. Harper wants to make this wooden frame:



Not drawn to scale

Harper will buy a piece of wood that is 10% longer than needed to allow for mistakes.

What is the total length of wood Harper needs to buy?

Answer

cm

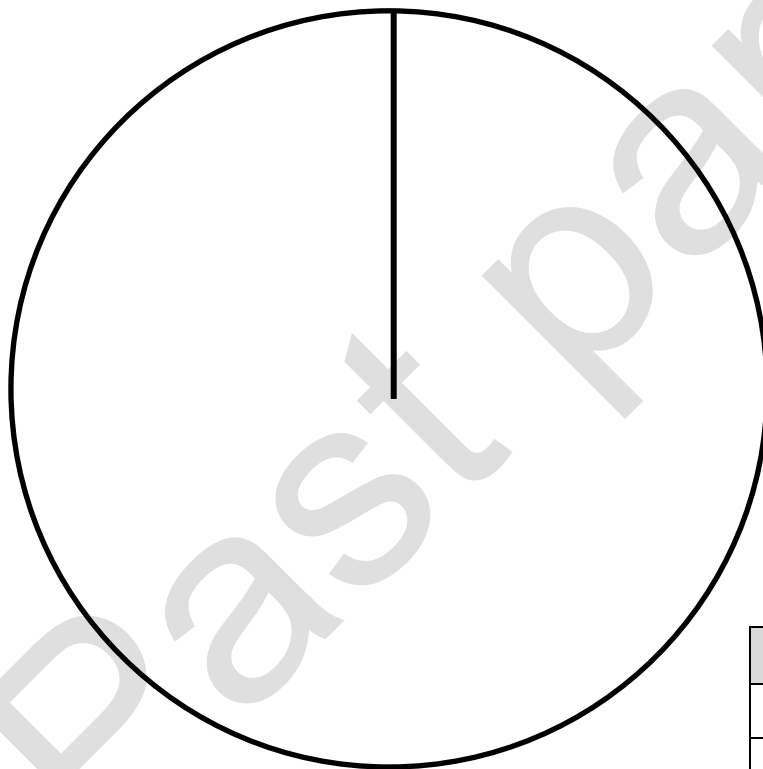
[4]

Questions continue on the following page

13. The table below shows how 90 people get to work:

Mode of transport	Number of people	Size of angle
Car	40	
Bus	30	
Train	15	
Walk	5	
Total	90	

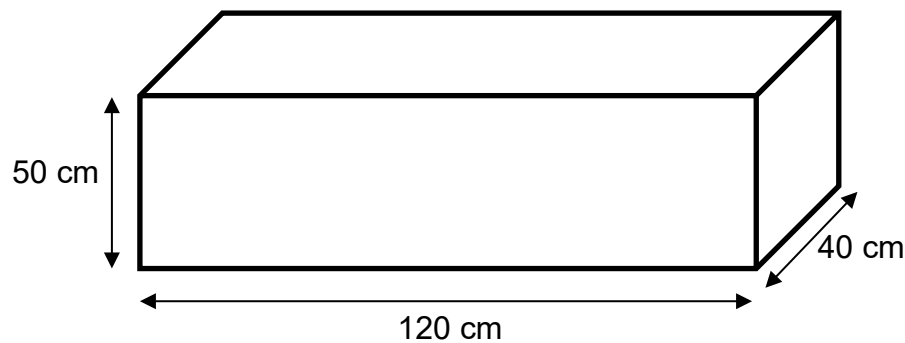
Show this information on a pie chart.



Key	

[4]

14. Charlie needs to fill this tank with water until it is five-sixths full:



Not drawn to scale

How much water does Charlie need to pour into the tank?

Give your answer in cubic centimetres (cm^3).

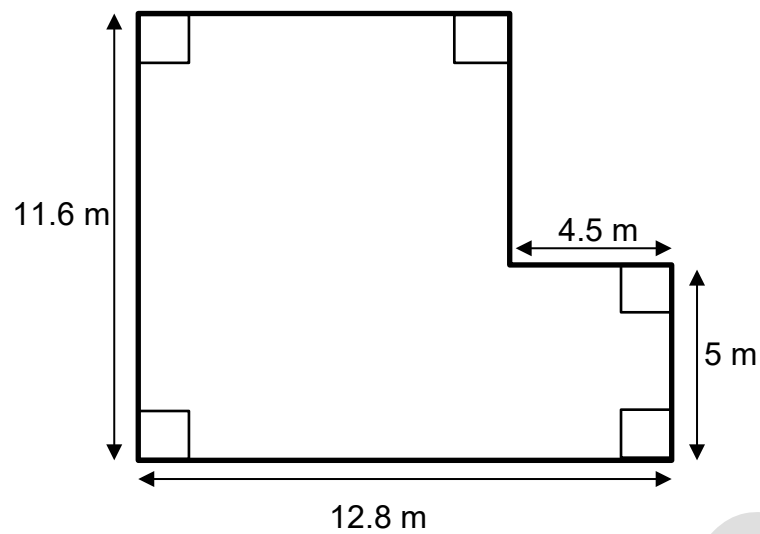
Answer

cm^3

[5]

Questions continue on the following page

15. Alex needs to buy grass seed to cover this garden:



Not drawn to scale

One box of grass seed covers 20 square metres.

How many boxes of grass seed does Alex need to buy?

Show your working.

Answer

[6]

This is the end of the assessment.