

Please check the examination details below before entering your candidate information

Candidate surname

Other names

**Pearson Edexcel
Functional Skills**

Centre Number

Candidate Number

*****Past Paper 4*****

Time: 25 minutes

Paper Reference **PMAT2/N04**

Mathematics

Level 2

Section A (Non-Calculator)



You must have:

Pen, HB pencil, eraser, ruler graduated in cm and mm, protractor, pair of compasses. Tracing paper may be used.

Total Marks

My signature confirms that I will not discuss the content of the test with anyone.

Signature: _____

Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Sign the declaration.
- Answer **all** questions.
- Write your final answers in the boxes provided.
- Answer the questions in the spaces provided – *there may be more space than you need.*
- You **must** show clearly how you get your answers in the spaces provided. Marks will be awarded for your working out.
- Check your working and answers at each stage.
- Diagrams are **not** accurately drawn, unless otherwise indicated.
- **Calculators may not be used.**
- Take the value of π to be 3.14

Information

- The total mark for this section is 16.
- The marks for **each** question are shown in brackets
– *use this as a guide as to how much time to spend on each question.*
- This sign ☒ shows where marks will be awarded for showing your checks.

Advice

- Read each question carefully before you start to answer it.
- Check your answers if you have time at the end.

Turn over ►

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SECTION A

Answer ALL questions. Write your answers in the spaces provided.

- 1** Shannon works in a mobile phone shop.

This week Shannon makes

- 19 pay as you go phone sales
- 57 SIM card with handset contract sales.

The remaining sales were SIM card only contracts.

Shannon made a total of 114 sales during this week.

What fraction of the sales made by Shannon this week were SIM card only contracts?
Write your fraction in its simplest form.

(3)

(Total for Question 1 is 3 marks)



P 6 7 2 8 3 A 0 3 0 8

2 Grace and James share £72 in the ratio 4:5

- (a) Work out the amount of money that James gets.
You **must** show your working.

(2)

£



- (b) Show a check of your working.

(1)

(Total for Question 2 is 3 marks)

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- 3** Brian collects loyalty points at the supermarket.
The total value of the loyalty points he has collected is £17.50

Brian has this information.

Exchange loyalty points for
travel vouchers and get
3 times the value

Travel vouchers can be used to pay for ferry tickets.

Brian wants to book 2 ferry tickets.
The ferry tickets cost £33.25 and £29

Brian will exchange all his loyalty points for travel vouchers.
He will use all the travel vouchers towards the cost of the ferry tickets.

Brian will pay for the rest of the cost of the ferry tickets with his bank card.

How much will Brian pay with his bank card?

(4)

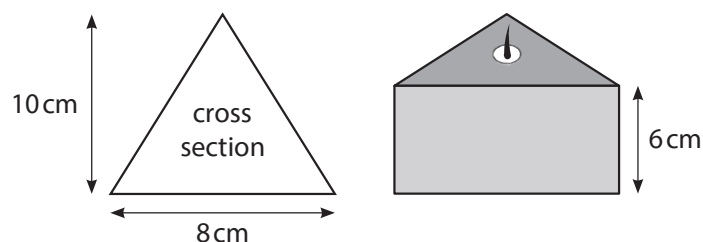
£

(Total for Question 3 is 4 marks)



- 4 Zia makes and sells candles.
She wants to make candles in the shape of a triangular prism.

Zia has this sketch of the triangular face and the candle.



Zia will melt wax to make the candles.
She knows that

- each 1 kg of solid wax makes 1.2 litres of melted wax
- 1 litre = 1000 cm^3
- the volume of a prism = area of cross section $\times$ height

Zia has a 5 kg bag of solid wax.
She thinks that she can make at least 20 candles with this bag of solid wax.

Is Zia correct?
Show why you think this.

(6)



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(Total for Question 4 is 6 marks)

TOTAL FOR SECTION A IS 16 MARKS



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