

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 5*****

Time: 25 minutes

Paper Reference **PMAT2/N05**

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** Gareth sells hot drinks.
He sells cups of tea, cups of coffee and cups of hot chocolate.

Of all the hot drinks he sold last week

- $\frac{2}{5}$ were cups of tea
- $\frac{1}{3}$ were cups of coffee.

What fraction of all cups of hot drinks sold were cups of hot chocolate?

(3)

(Total for Question 1 is 3 marks)



P 6 7 3 6 8 A 0 3 0 8

2

(a) Work out 13.4×5.2

(2)



(b) Use estimation to show a check of your working.

(1)

(Total for Question 2 is 3 marks)

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- 3 Mitch works in a fitness centre.
He gives one raffle ticket to each of 1000 people that attend the fitness centre.

Mitch starts to complete this two-way table to show information about the people he gives the raffle tickets to.

		favourite class			total
		spin	yoga	cardio	
age (years)	18 to 24		92	145	322
	25 to 49	107		134	
	50 and over	38	170		318
total		230	381	389	1000

- (a) Complete the two-way table for Mitch.

(2)

Mitch selects a raffle ticket at random.

- (b) What is the probability that the ticket he selects belongs to a person aged under 50 whose favourite class is cardio?

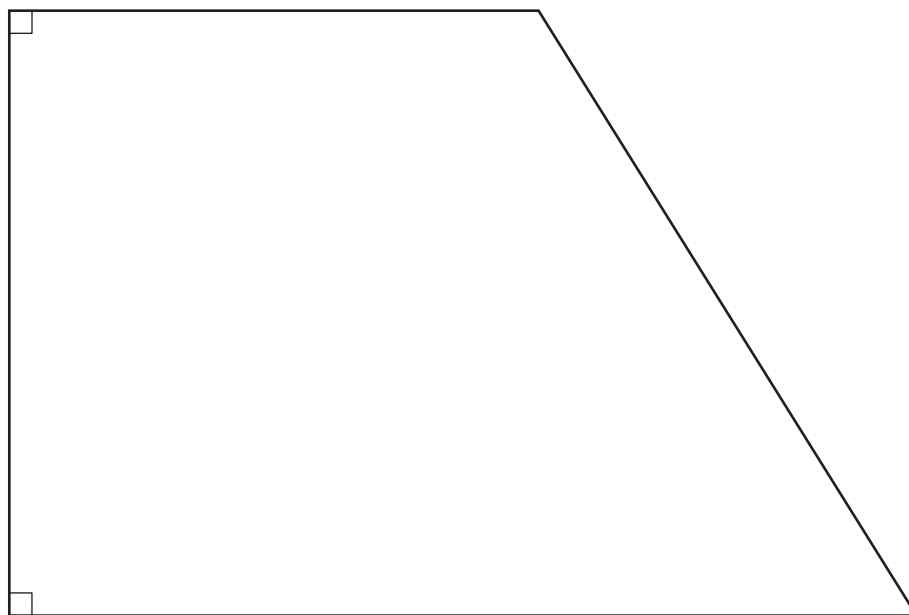
(2)

(Total for Question 3 is 4 marks)



P 6 7 3 6 8 A 0 5 0 8

- 4 Dave is going to paint a wall.
Here is a scale diagram of the wall.



Scale 1 cm represents 0.5 m

Dave will paint this wall twice.
He thinks the total area that he needs to paint is greater than 30 m^2

Is Dave correct?
You **must** show all your working.

(6)

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(Total for Question 4 is 6 marks)

TOTAL FOR SECTION A IS 16 MARKS



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