Please check the examination details below before entering your candidate information

Candidate surname	Other names

Pearson Edexcel Functional Skills

Centre Number	Candidate Number

Practice exam paper for first teaching September 2019

Time: 25 minutes | Paper Reference **PRACL1/01**

Mathematics

Level 1

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 your 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 14
- 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 ▶

S64036A

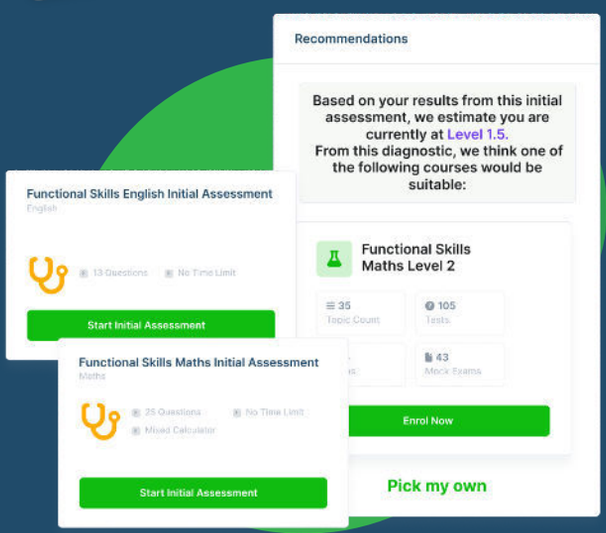
1/1/1/1/1

S 6 4 0 3 6 A 0 1 0 8

Pearson

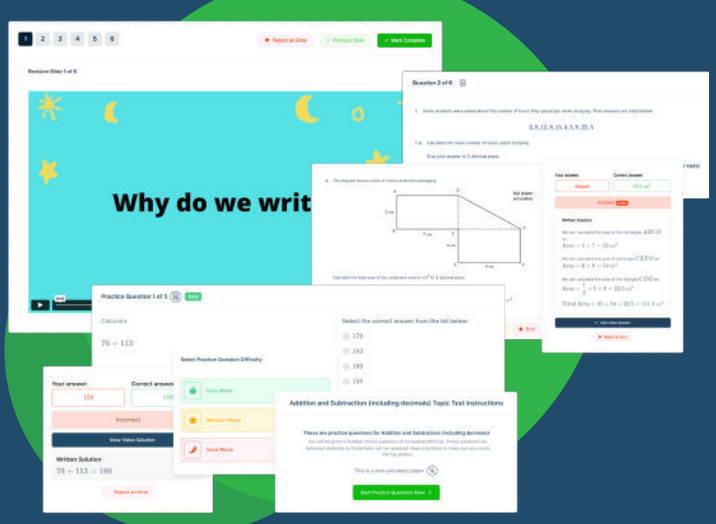
PASS FUNCTIONAL SKILLS

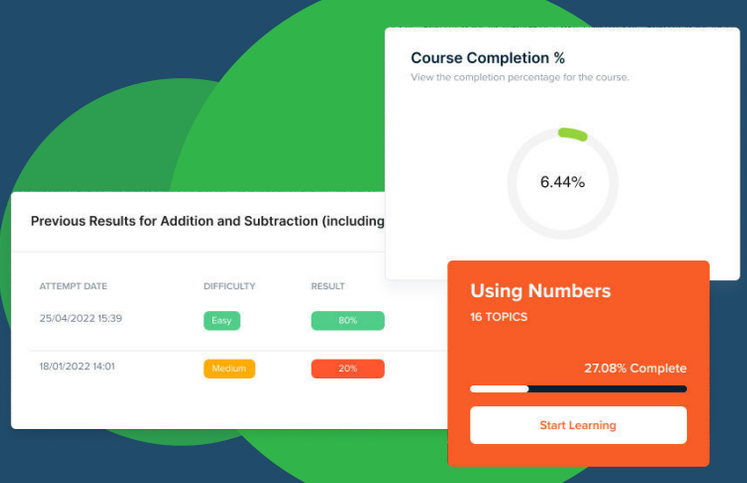
FUNCTIONAL SKILLS ONLINE COURSES



- Your answers are analysed to determine your Current Level
- Suggested courses for you to enrol on based on your calculated level
- Always know the level you are currently working at
- Determine when you are ready to sit your exam

- Explainer videos on every topic
- Quick-fire style mutiple choice questions
- Test your knowledge with exam-style questions
- Written solutions for all questions





- See your progress through as you progress through each topic area
- Get your average scores for practice questions, topic tests and mock exams
- View all practice question, topic test and mock exam attempts over time
- View historical attempts to analyse your progress over time

Or visit
passfunctionalskills.co.uk

SECTION A

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

1 Jack is keeping a record of the number of steps he takes each day.

Monday	8 565 steps
Tuesday	14 707 steps
Wednesday	15 323 steps
Thursday	9 788 steps
Friday	12 482 steps

(a) Work out the range of the number of steps.

15323 − 8565 = 6758

(2)

6758 steps

☑ (b) Show a check of your answer.

6758 + 8565 = 15323

(1)

(Total for Question 1 is 3 marks)

2 (a) Work out $\frac{1}{4}$ of 24

(1)

$\frac{1}{4} = 0.25$

$0.25 \times 24 = 6$

6

(b) Work out $-5 + 3$

(1)

-2

(c) Write 6.384 correct to 1 decimal place.

(1)

6.4

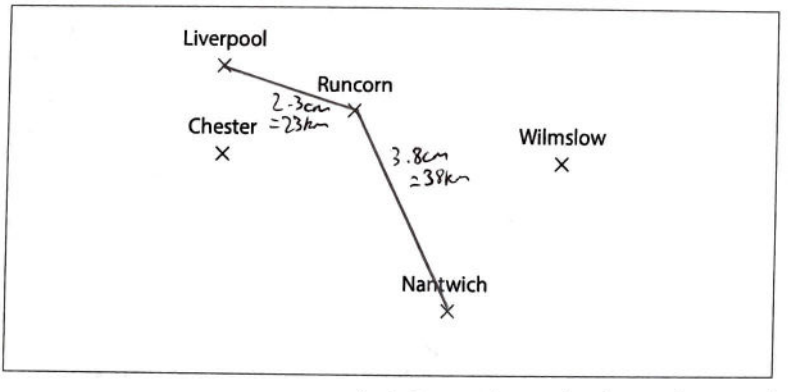
(Total for Question 2 is 3 marks)

3 Alan works at a warehouse in Runcorn.

A furniture company needs deliveries from

- Runcorn to Liverpool
- Runcorn to Nantwich.

Alan needs to work out the total delivery charge for these deliveries.
He uses this map.



Scale 1 cm on the map is 10 km on the ground

Alan uses these delivery charges.

distance from Runcorn	charge (£)
less than 20 km	9.99
20 km – 35 km	14.99
over 35 km	24.49

Work out the total delivery charge.
Show how you get your answer.

(4)

£14.99 + £24.49 =
£39.48

£ 39.48

(Total for Question 3 is 4 marks)

4 John works Monday to Friday.
He buys his lunch on his way to work.

Each day John buys a sandwich, a bottle of water and a bag of crisps.

Shop A	
any sandwich	£2.85
a bottle of water	60p
a bag of crisps	85p

Shop B £3 meal deal
any sandwich a bottle of water a bag of crisps

John thinks he will save more than £7.50 a week if he buys his lunch each day from shop B instead of shop A.

Is John correct?
You **must** show your working. (4)

£2.85 + 60p + 85p =

£4.30

£4.30 − £3.00 = £1.30.

£1.30 × 5 = £6.50 < £7.50

No.

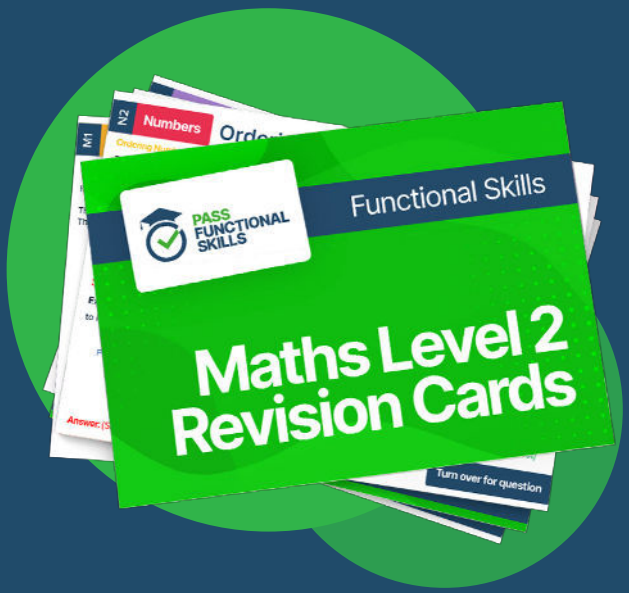
No.

(Total for Question 4 is 4 marks)

TOTAL FOR SECTION A = 14 MARKS

PASS FUNCTIONAL SKILLS

Functional Skills Maths
Level 2 Practice Papers



Functional Skills Maths
Level 2 Revision Cards

Functional Skills English Level 2
Practice Papers & Revision Cards

Functional Skills Maths
Level 2 Pocket Revision Guide

Or visit
passfunctionalskills.co.uk

Please check the examination details below before entering your candidate information

Candidate surname	Other names

Pearson Edexcel Functional Skills

Centre Number	Candidate Number

Practice exam paper for first teaching September 2019

Time: 1 hour 30 minutes | Paper Reference **PRACL1/01**

Mathematics

Level 1

Section B (Calculator)

You must have:
Pen, calculator, HB pencil, eraser, ruler graduated in cm and mm, protractor, pair of compasses.

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 your answers at each stage.
- Diagrams are **not** accurately drawn, unless otherwise indicated.
- If your calculator does not have a π button take the value of π to be 3.14
- **Calculators may be used.**

Information

- The total mark for this section is 42
- The total mark for this paper is 56
- 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 ▶

S64038A

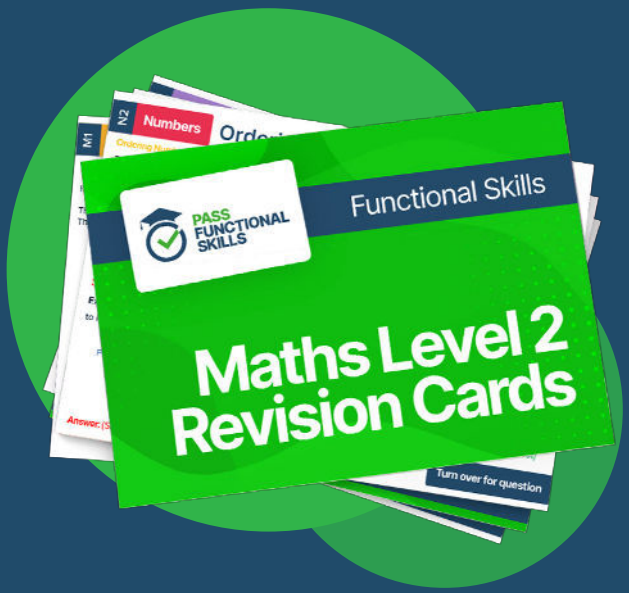
1/1/1/1/1/1/1

S 6 4 0 3 8 A 0 1 1 6

Pearson

PASS FUNCTIONAL SKILLS

Functional Skills Maths
Level 2 Practice Papers



Functional Skills Maths
Level 2 Revision Cards

Functional Skills English Level 2
Practice Papers & Revision Cards

Functional Skills Maths
Level 2 Pocket Revision Guide

Or visit
passfunctionalskills.co.uk

SECTION B

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

1 In June Gemma paid £68 for her electricity.
In July she will pay 5% more for her electricity.

Work out how much Gemma will pay for her electricity in July.

(3)

5% more = ×1.05

£68 × 1.05 = £71.40

£ 71.40

(Total for Question 1 is 3 marks)

2 The table gives some information about the number of visits to a gym last month.

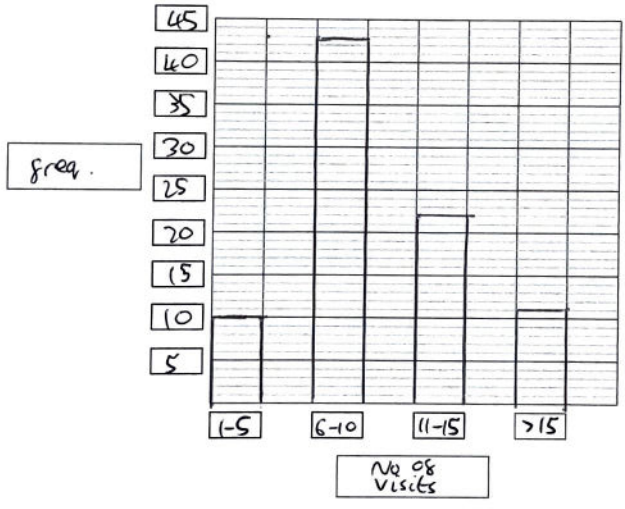
number of visits	tally	frequency
1 – 5	𝍸 𝍸	10
6 – 10	𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 |||	43
11 – 15	𝍸 𝍸 𝍸 𝍸 ||	22
more than 15	𝍸 𝍸 |	11

(a) Complete the frequency column.

(1)

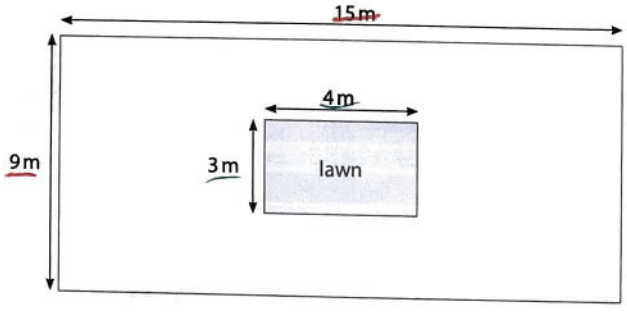
(b) On the grid, draw a suitable graph for this information.

(3)



(Total for Question 2 is 4 marks)

3 Alfie sells flooring for playgrounds.
He has this diagram of a playground.



The playground is rectangular 9 m by 15 m.
The lawn is rectangular 3 m by 4 m.

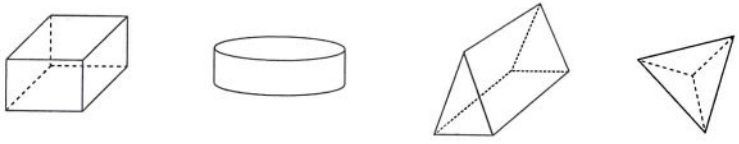
Alfie will put flooring on all the space inside the playground but not on the lawn.
The flooring costs £36 per square metre.

Work out the total cost of the flooring.

(5)

$9 \times 15 = 135 m^2$
$3 \times 4 = 12 m^2$.
$135 - 12 = 123 m^2$.
$123 \times 36 = £4428$.

4 Josh is designing gift boxes.
He designs these boxes.



Josh needs to know the shape of the boxes from different views.

shape 1 shape 2 shape 3 shape 4

Place the correct numbers in the space to complete the sentences.

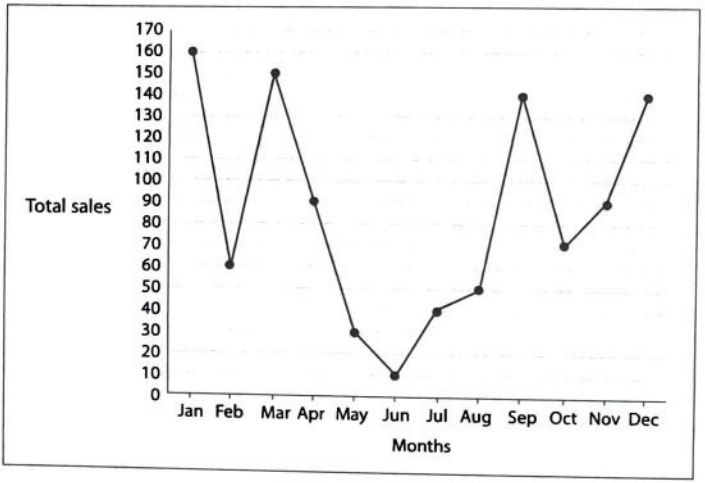
(a) Shape ..1.. is the plan view of the cylinder. (1)

(b) Shape ..4.. is the front view of the triangular prism. (1)

(c) The triangular based pyramid has ..4.. faces, ..6.. edges and ..4.. vertices. (1)

(Total for Question 4 is 3 marks)

5 Kate has this information about the total monthly sales for a shop in 2018



Kate needs to put this information in a table.
The table must show the total sales for each quarter of the year.

quarter 1 (Jan to Mar)
quarter 2 (Apr to Jun)
quarter 3 (Jul to Sep)
quarter 4 (Oct to Dec)

Draw and complete a suitable table for Kate.

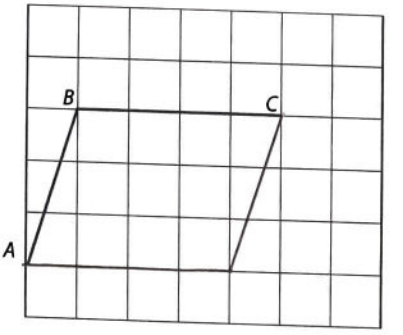
(3)

Quarter	Sales
1	370
2	130
3	230
4	300

(Total for Question 5 is 3 marks)

6 Karen is a cake designer.
She is designing different shaped cakes.

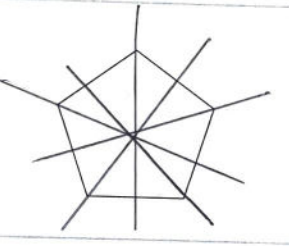
AB and *BC* are two sides of a parallelogram.



(a) On the grid, complete the parallelogram.

(1)

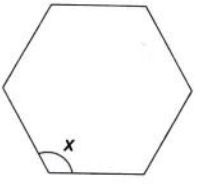
Here is a regular pentagon.



(b) Draw all the lines of symmetry on this pentagon.

(1)

Here is a regular hexagon.



(c) What type of angle is angle *x*?
Tick the correct answer.

(1)

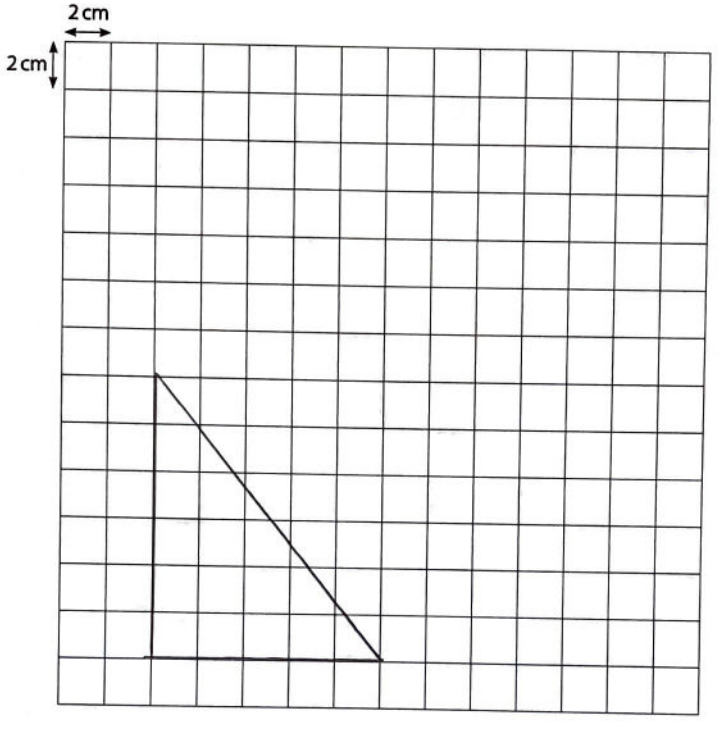
right angle	acute angle	reflex angle	obtuse angle ✓

Karen is making a birthday cake.

The top of the cake needs to be triangular with one side length 10 cm, one side length 12 cm and a 90° angle between these sides.

(d) Draw the top of the cake for Karen.
Use the grid below to draw the top of the cake.

(3)



(Total for Question 6 is 6 marks)

7 Daniel has these test results

public services 46% maths $\frac{14}{25}$ English $\frac{13}{20}$ art and design $\frac{6}{10}$

His tutor wants to compare these results.

List the subjects in order from his best result to his worst result.
Show why you think this.

(3)

maths $\frac{14}{25} = \frac{56}{100} = 56\%$

english $\frac{13}{20} = \frac{65}{100} = 65\%$

art $\frac{6}{10} = \frac{60}{100} = 60\%$

public services = 46%.

English 65%
Art and Design 60%
Maths 56%
Public Services 46%

English, Art and Design, Maths, Public Services

(Total for Question 7 is 3 marks)

8 (a) Write $\frac{3}{60}$ as a fraction in its simplest form.

(1)

$\frac{1}{20}$

A group of dancers raised some money for a charity.

Here is some information about the money raised.

money raised (£)	number of dancers
4.99 or less	15
5 to 9.99	23
10 to 14.99	12
15 to 19.99	7
20 to 24.99	3
total	**60**

One of the dancers is chosen at random to give the money raised to the charity.

(b) What is the probability that this dancer raised less than £10?

(2)

$15 + 23 = 38$

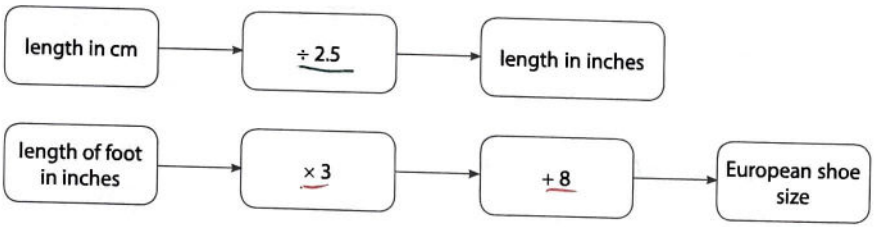
$\frac{38}{60} = \frac{19}{30}$

$\frac{19}{30}$

(Total for Question 8 is 3 marks)

9 Joanne is buying a pair of shoes in Europe.
The length of her foot is 27.5 cm.

Joanne uses these rules to work out her European shoe size.



Joanne thinks her European shoe size is 38

Is Joanne correct?
Show why you think this.

(4)

$27.5 \div 2.5 = 11$

$11 \times 3 = 33$

$33 + 8 = 41$.

Joanne is not correct.

No.

(Total for Question 9 is 4 marks)

10 Sarah has a snack at work each day.

She has this information about the snacks she had last week.

day	Mon	Tue	Wed	Thu	Fri
snack	banana	chocolate	biscuit	cake	crisps
number of calories	105	260	49	257	234

Sarah thinks the mean number of calories in these snacks is more than 200

Is she correct?
Show why you think this.

(3)

$$\frac{105 + 260 + 49 + 257 + 234}{5} =$$

$$\frac{905}{5} = 181 < 200$$

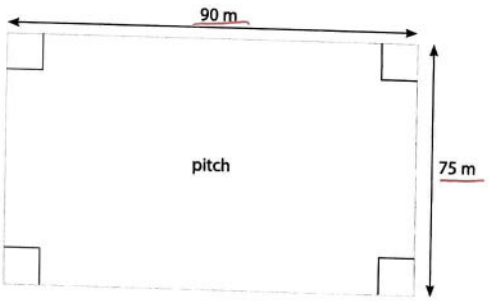
No.

No

(Total for Question 10 is 3 marks)

11 Ali is preparing for a race.
He runs laps around a football pitch to prepare for the race.

The length of each lap is the total distance along the four edges of the pitch.



Ali needs to run at least 10 km.

(a) What is the minimum number of complete laps Ali should run?

(4)

75 + 90 + 75 + 90 = 330m.

10km = 10000m.

10000 ÷ 330 = 30.3.

31 laps.

31

(b) Show a check of your answer.

(1)

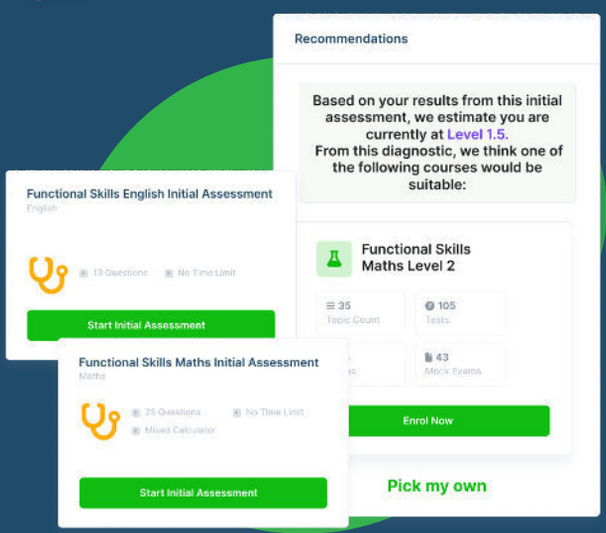
$30 \cdot 3 \times 330 = 10000$

(Total for Question 11 is 5 marks)

TOTAL FOR SECTION B = 42 MARKS
TOTAL FOR PAPER = 56 MARKS

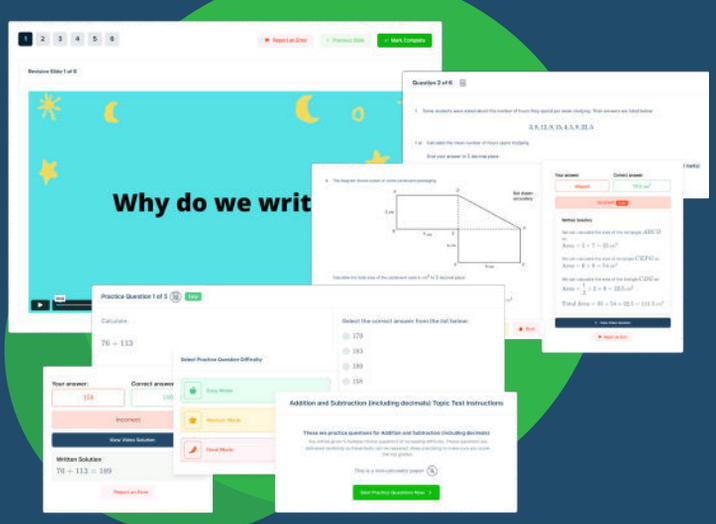
PASS FUNCTIONAL SKILLS

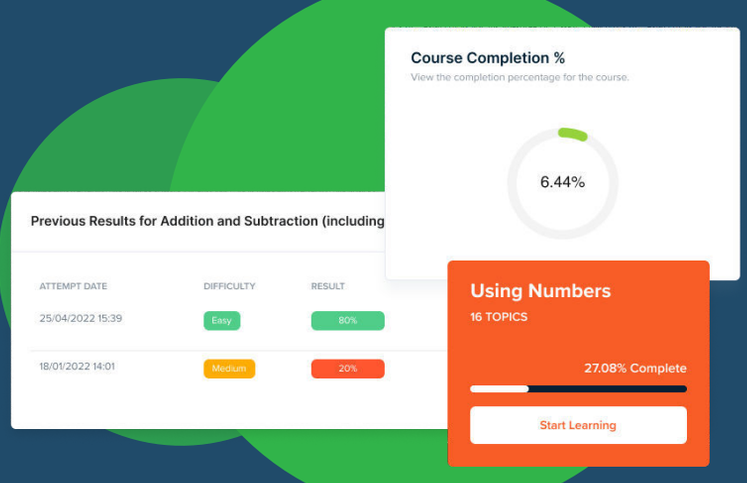
FUNCTIONAL SKILLS ONLINE COURSES



- Your answers are analysed to determine your Current Level
- Suggested courses for you to enrol on based on your calculated level
- Always know the level you are currently working at
- Determine when you are ready to sit your exam

- Explainer videos on every topic
- Quick-fire style mutiple choice questions
- Test your knowledge with exam-style questions
- Written solutions for all questions





- See your progress through as you progress through each topic area
- Get your average scores for practice questions, topic tests and mock exams
- View all practice question, topic test and mock exam attempts over time
- View historical attempts to analyse your progress over time

Or visit
passfunctionalskills.co.uk