Please check the examination details below before entering your candidate information

Candidate surname	Other names

Pearson Edexcel Functional Skills

Centre Number	Candidate Number

Functional Skills Level 1 April Mock

Time: 1 hour

Mathematics

Section B (Calculator)

You must have:
Pen, calculator, 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.
- 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 24
- The total mark for this paper is 32
- 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 ▶

SECTION B

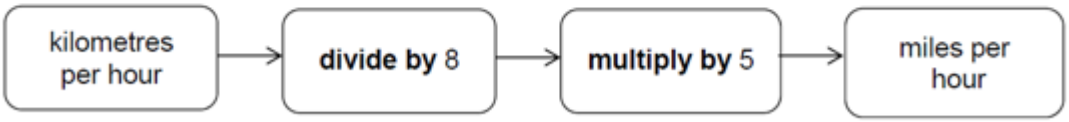
Answer ALL questions. Write your answers in the spaces provided.

1

Ryan will drive his car in Spain.

The speedometer in the car shows the speed in miles per hour only.
He will be driving on a road with a speed limit of 100 kilometres per hour.

Ryan uses this rule to find this speed in miles per hour.



Ryan thinks that 70 miles per hour is the same as 100 kilometres per hour.

Is he correct?

Show why you think this. (3)

2

Nicola wants to buy 30 litres of white paint.

She sees this special offer.

White paint
10 litre tin
usual price £38

15% discount

Nicola uses this special offer.
She has a budget of £100 for the paint.

Does Nicola have enough money to buy 30 litres of white paint? (4)

3

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**

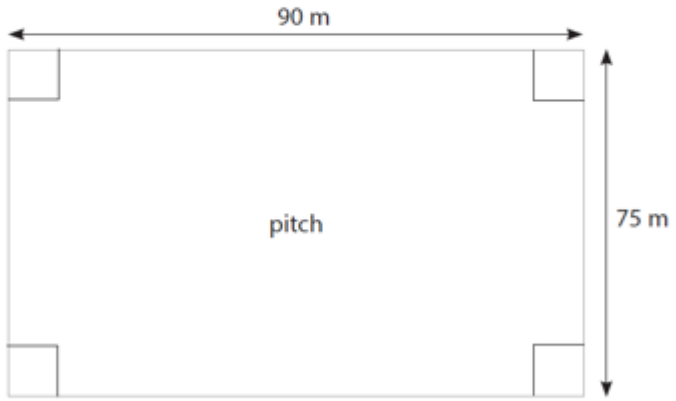
One of the dancers is chosen at random to give the money raised to the charity.

What is the probability that this dancer raised less than £10? (2)

4

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.

What is the minimum number of complete laps Ali should run? (4)

5

Penny is the manager of a nursery for pre-school children.

She knows that the ratio of the number of adults to the number of children must be 1 : 8

Penny has 56 children at the nursery.

a) Work out the number of adults Penny needs for 56 children. (2)

b) Use a reverse calculation to show a check of your answer. (1)

✓

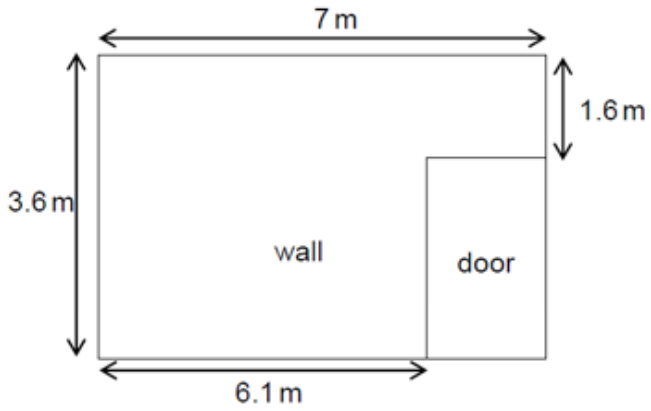
6

The table shows the price of a cup of tea in 5 different cafes.

cafe	A	B	C	D	E
price	£1.80	£1.59	£1.65	£1.45	£1.70

Calculate the mean price of a cup of tea. (3)

7 Luke wants to cover this wall with blue paint.



He will buy blue paint in 2.5 litre tins.
Each 1 litre of blue paint will cover 8 m^2 of the wall.

How many tins of blue paint does Luke need to buy? (5)