Functional Skills Mathematics (4748) Entry 3 Sample Assessment

Candidate's paper – Non-calculator
At the Airport

Time allowed – 25 minutes

Marks: 10

Name: _____

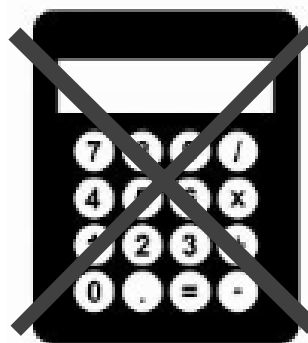City & Guilds Enrolment Number: _____

Date of registration: _____

Date of assessment: _____

You will need
- a pen with black or blue ink
- a pencil
- a rubber
- a ruler.

You may use a dictionary.

You must **not** use a calculator.

Instructions
- Read each question carefully.
- Answer **all** the questions.

Candidate's declaration:
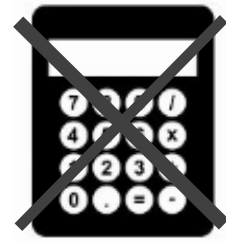I confirm that this assessment is my own work.

Candidate's signature _____

Date _____

Non-calculator paper

There are **10** marks available.

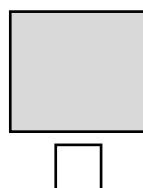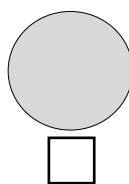You must **not** use a calculator.

Q1

Work out **29 x 15 =**

………………………………………………………………………………… **1 mark**

Q2

642 ÷ 12 =

……………… remainder ……………… **1 mark**

Q3

Tick all the shapes below that have **at least one right angle**.

☐   ☐   ☐   ☐
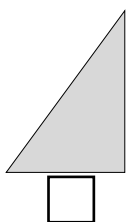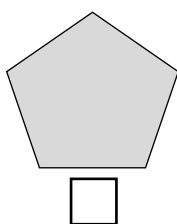
1 mark

Q4   A man is facing North.
He turns a three-quarter turn clockwise.

N

In which direction is he facing now?

……………………………………………………………………

1 mark

Q5 What is the next number in this sequence?

13.9   14.8   15.7 …………

1 mark

Q6 Round 946 to the nearest ten.

………………………………………………………

1 mark

Q7 Which of these is the highest number?
Tick your answer.

A	**B**	**C**	**D**
928.3	928.27	928.79	928.8
☐	☐	☐	☐

1 mark

Q8 A supervisor counts the number of departures from an airport in one morning.

These are the results.

Glasgow	Paris	Cardiff	Paris	Belfast
Madrid	Belfast	Paris	Glasgow	Cardiff
Glasgow	Glasgow	Belfast	Cardiff	Madrid
Belfast	Glasgow	Cardiff	Paris	Glasgow
Madrid	Belfast	Glasgow	Madrid	Belfast
Paris	Madrid	Belfast	Cardiff	Paris

Airport	Frequency
Belfast	7
Cardiff	5
Glasgow	7
Madrid	
Paris	

Complete the frequency table.

1 mark

Q9 A holiday maker wants a bag to take on a plane.
The maximum width for a bag to take on board a plane is 350mm.

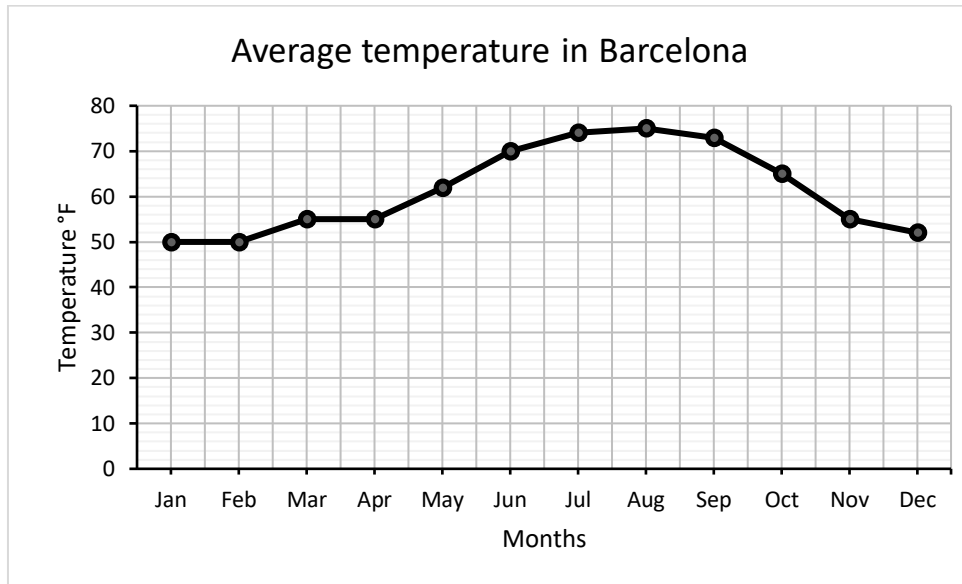**360mm** ☐   **345mm** ☐

395mm ☐   **255mm** ☐

Which of these bags could be taken on board?
Tick the bags.

1 mark

Q10   This line graph shows the temperatures in Barcelona last year.

A holiday maker wants to go to Barcelona when the temperature is between 60°F and 70°F.

Average temperature in Barcelona

In which months should the holidaymaker go to Barcelona?

……………………………………………………………………………………………………

1 mark

Total marks: 10

End of non-calculator paper

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Functional Skills Mathematics (4748) Entry 3 Sample Assessment

Candidate's paper – Calculator allowed
At the Airport

Time allowed – 65 minutes

Marks: 30

Name: _____
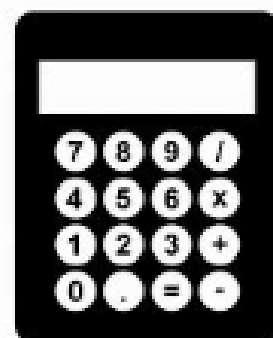
City & Guilds Enrolment Number: _____

Date of registration: _____

Date of assessment: _____

You will need
- a calculator
- a pen with black or blue ink
- a pencil
- a rubber
- a ruler.

You may use a dictionary.

Instructions
- Read each question carefully.
- Answer **all** the questions.

Candidate's declaration:
I confirm that this assessment is my own work.

Candidate's signature _____

Date _____

Calculator paper

There are **30** marks available.

You may use a calculator.

Q1 What is **£967.39** rounded to the nearest 10p?

…………………………………………………………………………

1 mark

Q2 What could a person use to measure their waist?

…………………………………………………………………………

1 mark

Q3 What is the next number in this sequence?

38   57   76   …………

1 mark

Q4 A man wants to go on holiday to Spain.
He sees these holiday prices.
He wants the cheapest holiday.

SUNSHINE HOLIDAYS

SPAIN **£562**	**Come to Spain** **£397**	**Spain** Sun, Sea and sand **£522**	**Only £499**

He uses these vouchers to pay towards the cost of the holiday.

Sunshine Holidays **£25**	Sunshine Holidays **£25**	Sunshine Holidays **£10**
Sunshine Holidays **£25**	Sunshine Holidays **£10**	Sunshine Holidays **£10**

> How much money does he need to pay?

Show your working out

£.....…………… money to pay

3 marks

Q5 The man wants to know if it is cheaper to go to the airport by train or by car.

A return train ticket to the airport is £69

There is $\frac{1}{3}$ **off** the price when the ticket is bought in advance.

a

> What will the price of the ticket be if he buys it in advance?

Show your working out
£ _____

3 marks

It is 78 miles **to and from** the airport.
The man's car costs 32p per mile to run.

b

> What is the cost to drive to and from the airport?
> **Give units with your answer.**

Show your working out
Cost _____

2 marks

The man says if he goes by car he will pay to park his car in **Car Park 5**.

The car park costs are shown in this table.

Car Park charges for 7 days		
Car Park	Time to airport	Cost
1	1 minute walk	£54.53
2 & 3	1 - 3 minute walk	£48.97
4	3 - 5 minute walk	£44.43
5	5 - 10 minute walk	£38.87
6 & 7	5 - 10 minute bus ride	£21.20

The man wants to drive to and from the airport and park his car for a week.

c What will the cost be?

Show your working out

Cost £_____

2 marks

Compare the costs of the two ways to travel.

d Which is cheaper?
Tick one.

Train ☐ **Car** ☐

1 mark

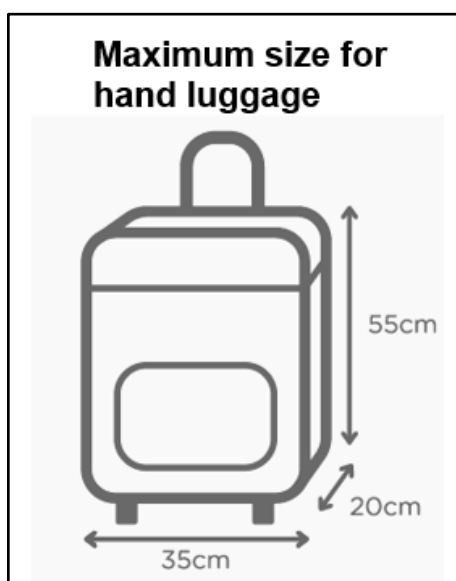**Q6**   A holidaymaker wants to take hand luggage on a plane.

Her bag is 32cm wide and 18 cm deep.
She measures the height of her bag.

Height of bag
comes to here →

She checks the size of hand luggage.
She finds this information.

Maximum size for hand luggage

55cm

20cm

35cm

a   Can she take her bag on the plane?
Explain your answer using measurements.

Yes / No ……………..

Reason

2 marks

She wants to send her suitcase with a luggage company.
She weighs her suitcase.

Luggage Company Charges			
Weight	Up to 24kg	Up to 30kg	Over 30kg
Price	£32.00	£35.00	£35.00 + £2.20 per additional kg

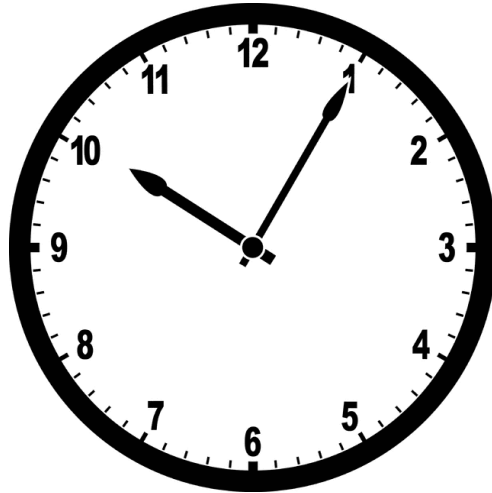**b** What will the luggage company charge?

Show your working

£………………..

2 marks

Q7　A woman goes to the airport in the morning to collect her friend.
The clock shows when the plane was due to land.

The plane is delayed by 3 hours and 10 minutes.

What time is the plane due?

Show your working out

2 marks

Q8 The airport has a duty free shop.
An assistant in the shop has been asked to arrange items on display.

She puts the biscuit boxes in order of weight.

A   1kg

B   150g

C   396g

D   850g

a Which order should the biscuits be on the shelf?
Start with the smallest weight.

…..……   …..……   ………..   ………..   **1 mark**

The shop sells bottles of water in the following sizes.

500ml, 1 litre, 330ml and 750ml

A customer wants the bottle which holds the most water.

b What size bottle should she choose?

………………………………………………………………………………
                                                                    1 mark

Q9 The sales manager needs to draw a bar chart to show how satisfied customers are with the service at the airport

Satisfaction	Number of customers
Not satisfied	150
Satisfied	300
Very satisfied	450

Draw a bar chart to show this information.

Put labels on your graph.

3 marks

Q10 The airport has a café.
Here is the menu.

The Airport Café

Starters
Cheese salad	£4.55
Soup and roll	£3.25
Chips	£1.25

Snacks
Sausage roll	£1.90
Crisps	69p
Apple	56p

Mains
Chicken pie	£3.50
Pizza	£4.75

Drinks
Water	99p
Tea	£3.60
Coffee	£4.49

A customer orders three cups of coffee, a cheese salad and two sausage rolls.

a How much will the customer pay?
Give units with your answer.

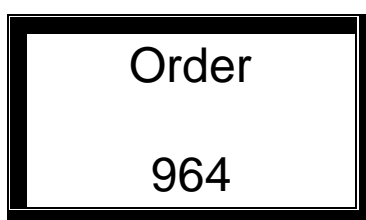Show your working out

The customer will pay _____

3 marks

b

Use approximation to check your answer.

Write your check here

1 mark

The customer is given this ticket.

Order

964

She will collect her food when her order number is called.

The café is currently serving order 949.

c How many orders will they serve before the customer's food is ready?

Show your working out

_____ **orders**

1 mark

Total marks: 30

End of calculator paper

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