Functional Skills Mathematics (4748)
Entry 3 Sample Assessment

www.cityandguilds.com
July 2022
Version 1.0

Candidate's paper – Non-calculator
At the Airport

Time allowed – 25 minutes

Marks: 10

Name: _____

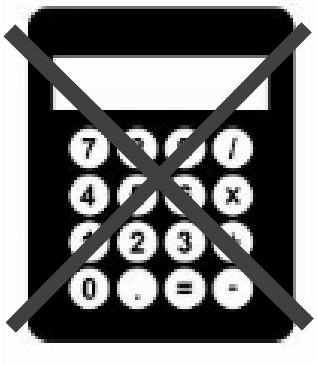
City & Guilds Enrolment Number: _____

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.

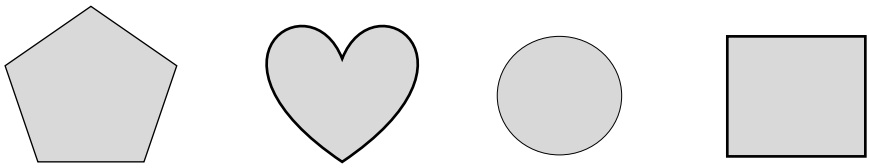
Q1 Work out **28 x 14 =**

…… **1 mark**

Q2 **822 ÷ 12 =**

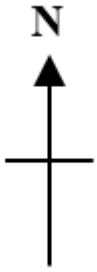
…… remainder …… **1 mark**

Q3 Tick all the shapes below that have **more than one line of symmetry**



1 mark

Q4 A man is facing North.
He turns a half turn clockwise.



In which direction is he facing now?

……

1 mark

Q5 What is the next number in this sequence?

14.8 **15.9** **17.0** .....

1 mark

Q6 Round 826 to the nearest hundred.

.....

1 mark

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

A	**B**	**C**	**D**
828.3	828.27	828.79	828.8
☐	☐	☐	☐

1 mark

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

These are the results.

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

Airport	Frequency
Belfast	6
Cardiff	7
Glasgow	8
Madrid	
Paris	

Complete the frequency table.

1 mark

Q9 A holiday maker wants a bag to take on a plane.
The maximum length for a bag to take on board a plane is 550mm.

545mm ☐

560mm ☐

595mm ☐

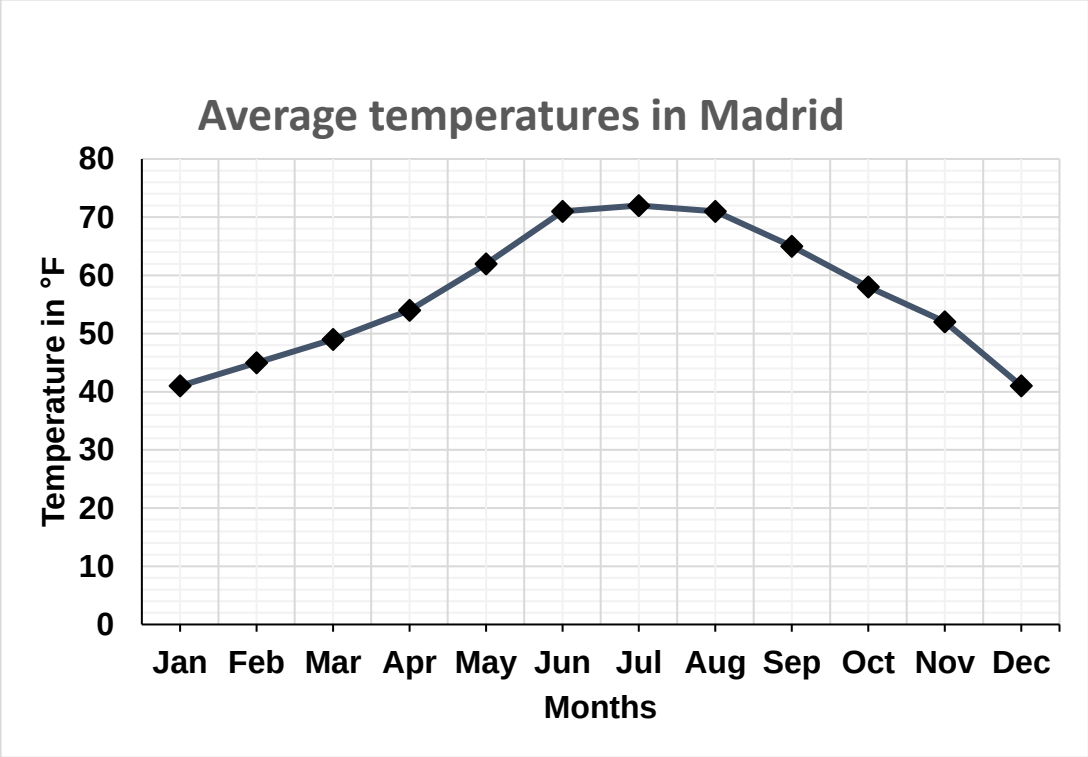
495mm ☐

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

1 mark

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

A holiday maker wants to go to Madrid when the temperature is between 50°F and 60°F.



In which months should the holidaymaker go to Madrid?

……

1 mark

Total marks: 10

End of non-calculator paper

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Functional Skills Mathematics (4748)
Entry 3 Sample Assessment

www.cityandguilds.com
July 2022
Version 1.0

Candidate's paper – Calculator allowed
At the Airport

Time allowed – 65 minutes

Marks: 30

Name: _____

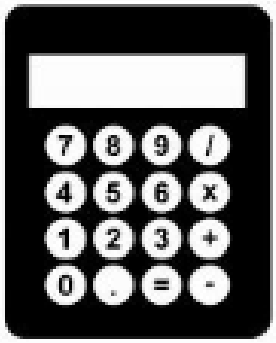
City & Guilds Enrolment Number: _____

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.

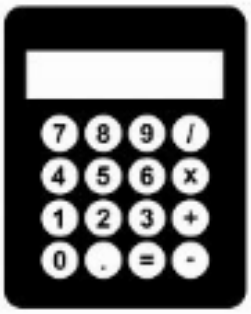
Candidate's signature _____

Date _____

Calculator paper

There are **30** marks available.

You may use a calculator.



Q1 What is **£957.29** rounded to the nearest £1?

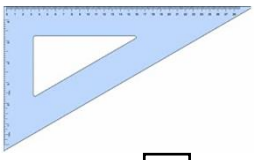
……

1 mark

Q2 Which one of these measuring instruments is the most suitable to measure a person's waist?
Tick one.

A ☐

B ☐



C ☐

D ☐

1 mark

Q3 What is the next number in this sequence?

28 **47** **66** ……

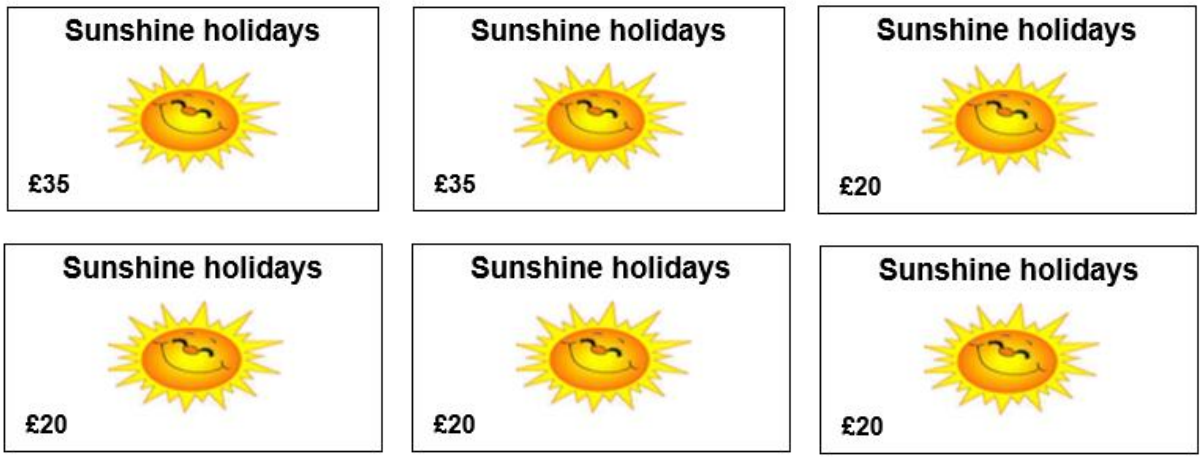
1 mark

Q4 A holiday company advertises these different priced holidays to Spain.
A man wants the cheapest holiday.

SUNSHINE HOLIDAYS

SPAIN **£662**	 **Come to Spain** **£497**	 **Spain** **Sun, Sea and sand** **£622**	 **Only £599**

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



How much **money** will he need to pay if he uses the vouchers?

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 £93

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 43p 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 4**.

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	£64.53
2 & 3	1 - 3 minute walk	£58.97
4	3 - 5 minute walk	£54.43
5	5 - 10 minute walk	£48.87
6 & 7	5 - 10 minute bus ride	£31.20

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

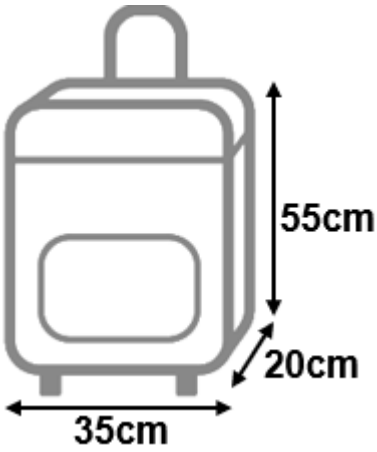
Compare the costs of the two ways to travel.

d Which is cheaper?
Tick one.

Train ☐ **Car** ☐

1 mark

Q6 An airline allows passengers to take hand luggage with these **maximum** measurements on a plane.



A passenger wants to take her bag on the plane.

Her bag measures 33cm wide and 19cm deep.

She measures the height of her bag.

a Can she take her bag on the plane?
Give a reason for your answer.
Use numbers to help you explain.

Yes/No……

Reason ……

……

……

2 marks

The passenger will send her suitcase with a luggage company.
She weighs her suitcase.

She checks the charges on this table

Luggage Company Charges			
Weight	Up to 24kg	Up to 32kg	Over 32kg
Price	£34.00	£37.00	£37.25 + £3.20 per additional kg

b What will the luggage company charge?

Show your working

£……..

2 marks

Q7 The arrivals board at an airport shows when planes are expected to land.
A man goes to the airport to meet his friend from a flight from New York

He checks his friend's flight arrival.

FROM	FLIGHT NUMBER	ARRIVAL
NEW YORK	HV3232	EXPECTED 20:50

The man checks the time on his watch.

How long will the man have to wait for the flight to arrive?

Show your working out

Length of time ……..

2 marks

Q8 A duty-free shop has a delivery of chocolates.
The manager asks a sales assistant to display the chocolates in order of weight starting with the heaviest.

1kg

850g

369g

575g

150g

a In which order should the sales assistant display the chocolates?

…….. …….. …….. …….. …….. **1 mark**

The duty-free shop also sells drinks bottles in these sizes.
A customer wants to buy the bottle which will hold the most.

550ml

1 litre

600ml

800ml

b What size bottle should the customer buy?

…… **1 mark**

Q9 The manager of the Departure Lounge carries out a satisfaction survey about the services at the airport.

She needs to draw a bar chart to show these results.

	Number of customers
Not satisfied	**250**
Satisfied	**400**
Very satisfied	**550**

Draw a bar chart to show this information.

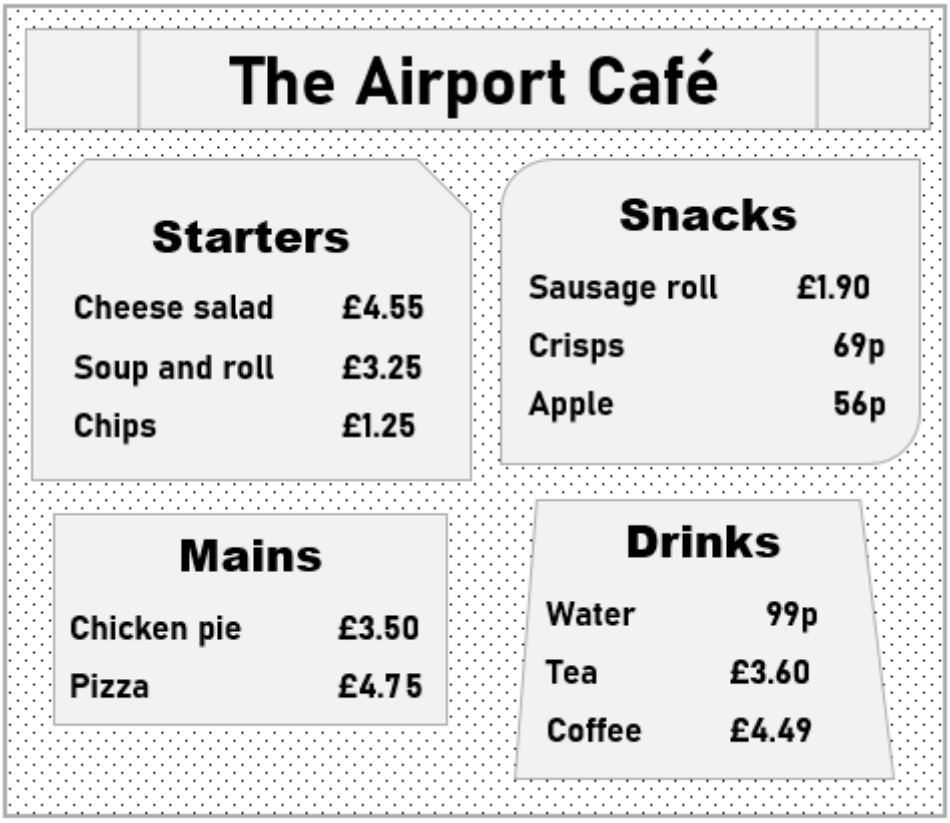
Put labels on your chart.

3 marks

Q10 An airport café displays this menu.

A customer asks for two cups of coffee, soup and a roll and chicken pie.

She pays with a £20 note



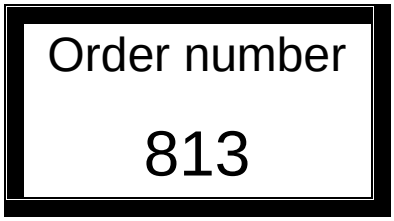
a How much change will she get?

Show your working out

Amount of change £ .....

3 marks

The customer takes this ticket.



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

The café is currently serving order number 792.

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

Show your working out

…… **orders**

1 mark

c Use approximation to check your answer.

Write your check here

1 mark

Total marks: 30

End of calculator paper

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