

# 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: \_\_\_\_\_

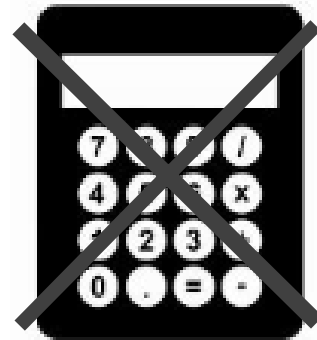
Date of assessment: \_\_\_\_\_

### 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  $28 \times 14 =$

..... 1 mark

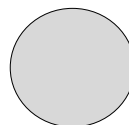
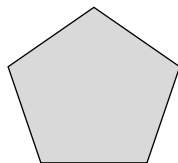
**Q2**

$822 \div 12 =$

..... 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**  
828.3

**B**  
828.27

**C**  
828.79

**D**  
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**



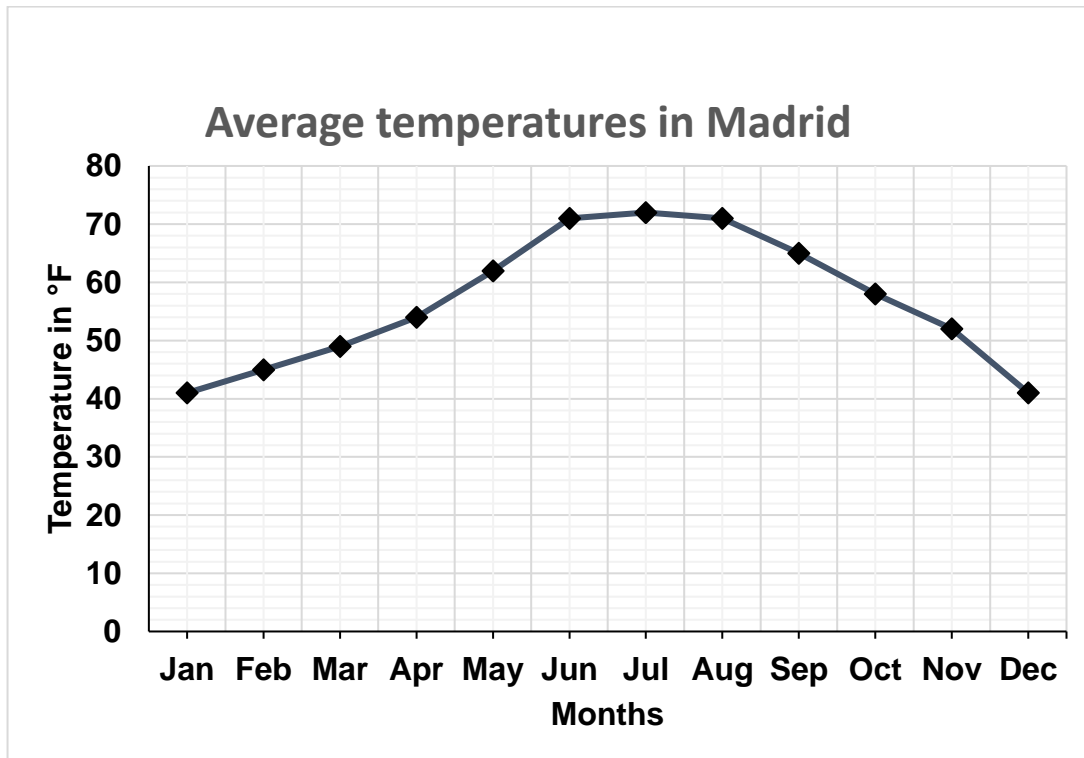
**495mm**

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

## Candidate's paper – Calculator allowed

At the Airport

### Time allowed – 65 minutes

Marks: 30

Name: \_\_\_\_\_

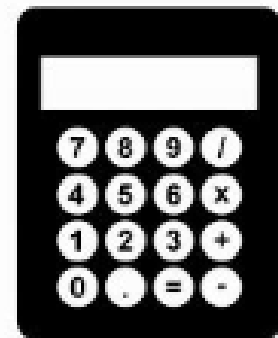
City & Guilds Enrolment Number: \_\_\_\_\_

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**

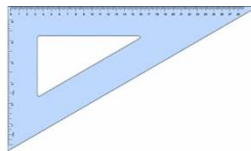
**Q2** Which one of these measuring instruments is the most suitable to measure a person's waist?  
**Tick one.**



**A**



**B**



**C**



**D**

**1 mark**

**Q3** What is the next number in this sequence?

**28    47    66    .....**

**1 mark**



**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**

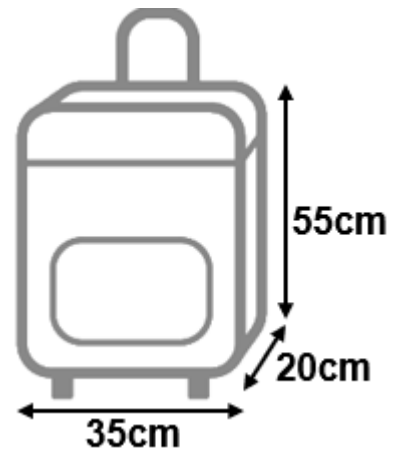
**1 mark**

**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?

.....

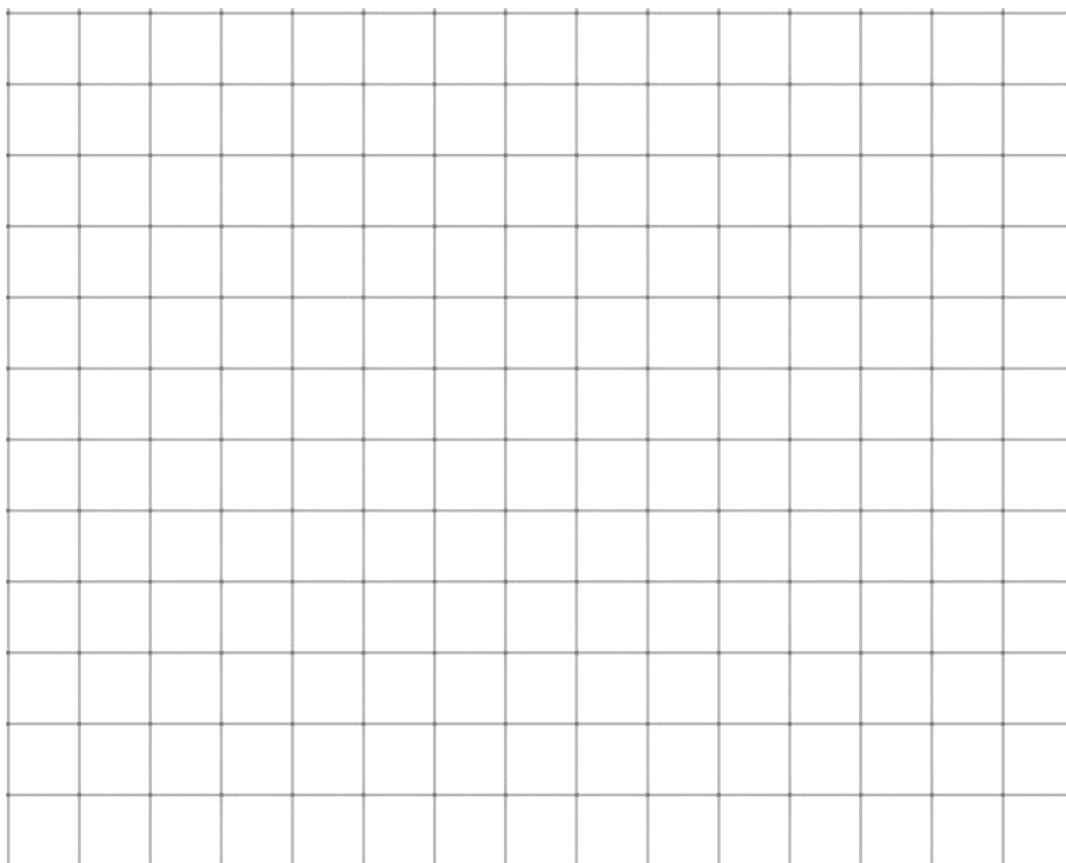
**1 mark**

**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.

	<b>Number of customers</b>
<b>Not satisfied</b>	<b>250</b>
<b>Satisfied</b>	<b>400</b>
<b>Very satisfied</b>	<b>550</b>

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

<b>The Airport Café</b>	
<b>Starters</b>	<b>Snacks</b>
Cheese salad    £4.55	Sausage roll    £1.90
Soup and roll    £3.25	Crisps            69p
Chips             £1.25	Apple             56p
<b>Mains</b>	<b>Drinks</b>
Chicken pie      £3.50	Water            99p
Pizza             £4.75	Tea               £3.60
	Coffee            £4.49

**a**

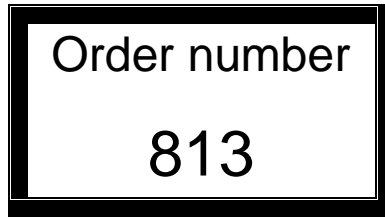
How much change will she get?

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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