

# Functional Skills Mathematics (4748) Entry 2 Sample Assessment

## Candidate's paper – Non-calculator Holidays

**Time allowed – 25 minutes**

Marks: 9

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

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

Date of registration: \_\_\_\_\_

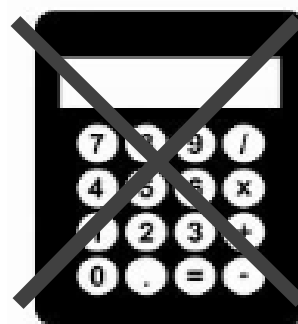
Date of assessment: \_\_\_\_\_

### 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 **9** marks available.

You must **not** use a calculator.



Q1

What is 64 divided by 8?

.....

1 mark

Q2

What number comes next in this list?

82 84 86 88 .....

1 mark

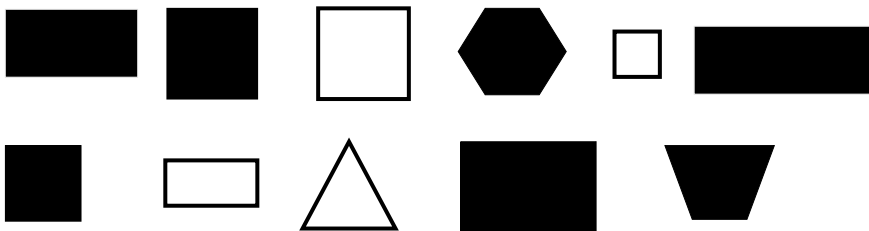
Q3

How many weeks are there in a year?

.....

1 mark

Q4



1 mark

Tick all the **black rectangles**.

**Q5** A flight attendant does this calculation.

77	+	49	+	62	=	188
----	---	----	---	----	---	-----

Round the numbers the flight attendant added to the nearest 10 to check the answer is about right.

	+		+		=	
--	---	--	---	--	---	--

**1 mark**

**Q6** Count these crosses.

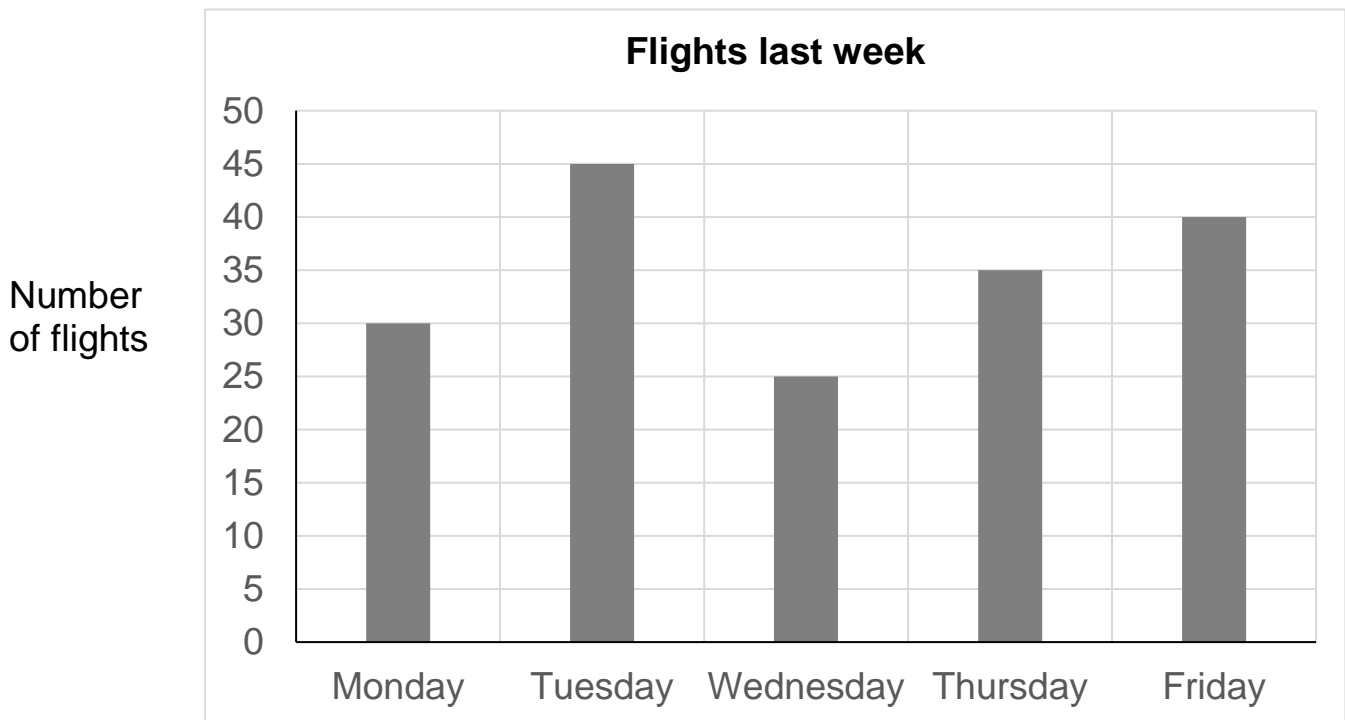
X X X X X X X X X X  
X X X X X X X X X X  
X X X X X X X X X X  
X X X X X X X X X X  
X X X X X X X X

How many crosses (X) are there?

**1 mark**

.....

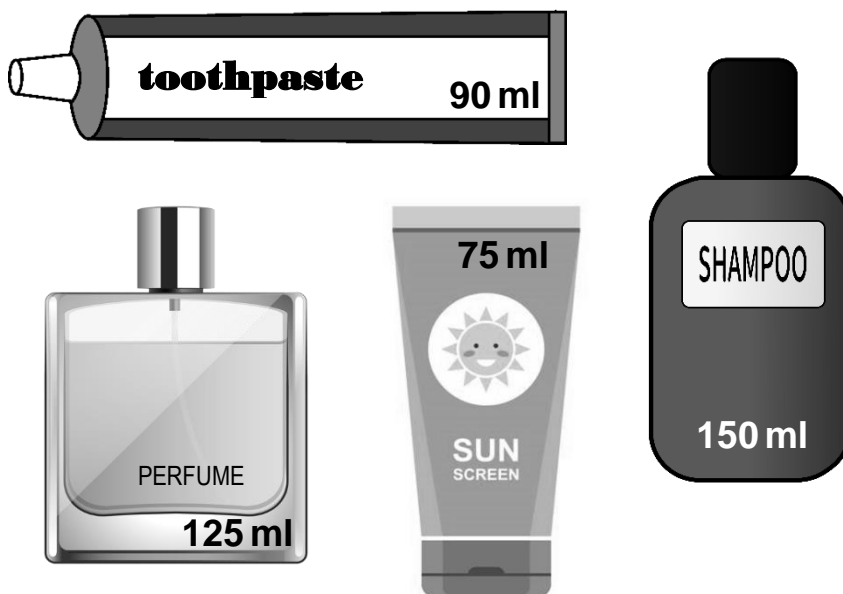
**Q7** This bar chart shows the number of flights from an airport last week.



Which day had the largest number of flights?

.....  
**1 mark**

**Q8** A passenger can only take things on a plane which are less than 100ml.



Tick all of the things the passenger can take on the plane.

**1 mark**

**Q9** A man lives 20 kilometres from work.

He works 6.5 kilometres from the airport.

He drives from his house to work. Then he drives to the airport.

How far does the man drive **in total**?

..... kilometres

**1 mark**

**Total marks: 9**

**End of non-calculator paper**

# Functional Skills Mathematics (4748) Entry 2 Sample Assessment



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## Candidate's paper – Calculator allowed Holidays

**Time allowed – 65 minutes**

Marks: 27

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

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

Date of registration: \_\_\_\_\_

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

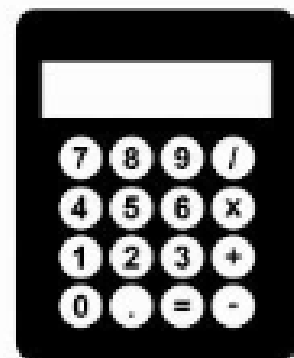
### You will need

- 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.

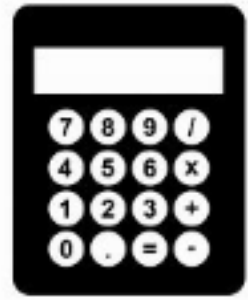
Candidate's signature \_\_\_\_\_

Date \_\_\_\_\_

## Calculator paper

There are **27** marks available.

You may use a calculator.





Q1

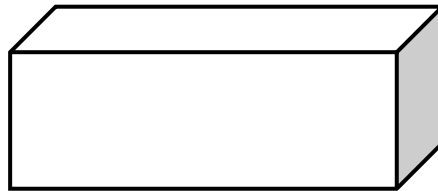
90		30	=	60
----	--	----	---	----

Choose the correct sign to finish the calculation and fill in the box.

=	+	-	x	÷
---	---	---	---	---

1 mark

Q2

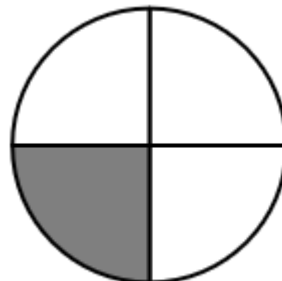


How many edges does a cuboid have?  
**Tick one box**

- A      3
- B      6
- C      9
- D      12

1 mark

Q3



What fraction of the circle is coloured in grey?

.....

1 mark

**Q4** The weather forecast for the **UK** next week is **20°C** every day.  
Here is the weather forecast for Spain next week.

Weather forecast for Spain						
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
24°C	23°C	19°C	18°C	22°C	25°C	28°C

**a** Which days will be warmer in Spain than in the UK?  
Tick all those days.

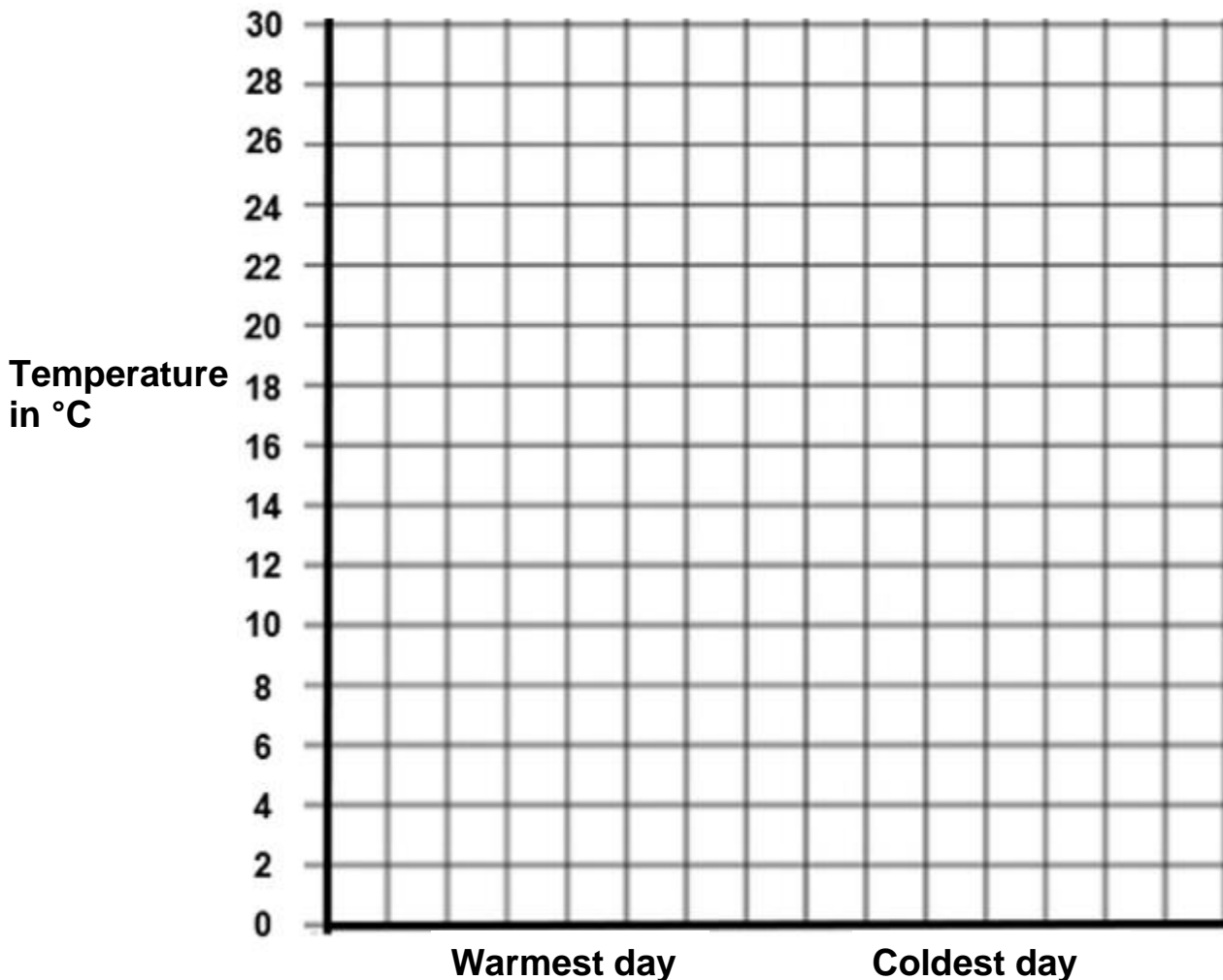
**2 marks**

**b** A travel agent needs a chart to show the temperatures of the warmest day and coldest day in Spain next week.

Draw **two** bars to finish the bar chart.

**4 marks**

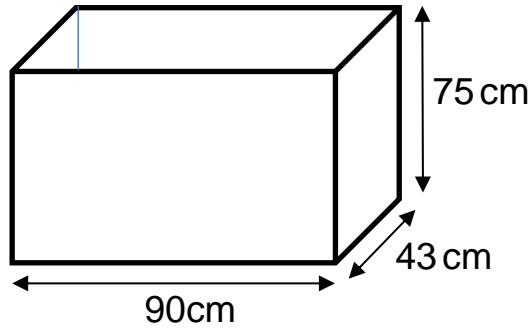
**Temperature in Spain next week**



**Q5** This diagram shows the maximum measurements for hand luggage that you are allowed to check-in on a plane.

It is a box, shaped like a cuboid, with sides and a base, but no top.

**Check-in luggage**  
measurements allowed



**a** What shape is the base of the box?

.....

**1 mark**

**b** What is the length of the **shortest** side?  
**Give units with your answer.**

.....

**1 mark**

**Q6** A man looks at goods in the airport shop.

A case is in a sale.

In the sale, all cases are half the price shown.



**a**

What is the price of the case in the sale?

Show your working out.

**Sale price** £ .....

**2 marks**

The man has these notes.



b How much money does he have?

Show your working out.

Amount of money £ .....

2 marks

- c The man buys a bag and a wallet.  
This bag costs £25 and the wallet costs £8.

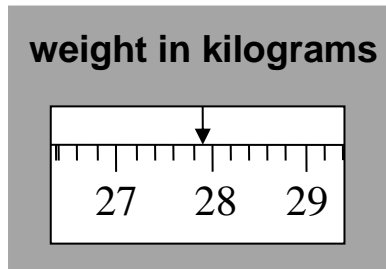
How much money will he have left?  
**Give units with your answer.**

Show your working out.

**Money left** .....

**3 marks**

**Q7** A passenger checks the weight of her suitcase.



**a** What is the weight of the passenger's suitcase to the nearest kilogram?

..... kg **1 mark**

This table shows how much it costs to take a suitcase on a plane.

<b>Weight of suitcase</b>	<b>Cost</b>
less than 10 kg	£10
10 kg to 20 kg	£20
over 20 kg to 30 kg	£30
over 30 kg	£40

**b** How much will it cost to take the suitcase on the plane?  
**Give a reason for your answer. Use numbers to help you.**

Cost £ .....

Reason .....

.....

.....

**2 marks**

**Q8** A passenger's flight leaves at **one o'clock**.  
He checks his watch.



**a** Has his plane left?  
**Give a reason for your answer. Use the clock time to help you.**

Yes/No .....

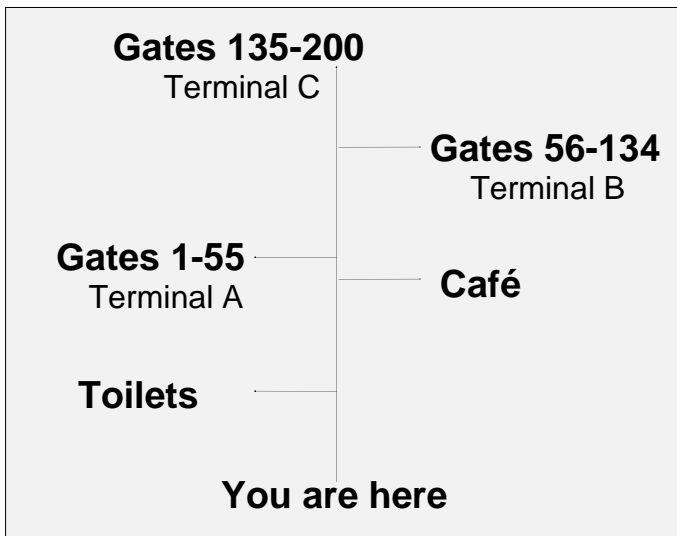
Reason.....

.....

**1 mark**



His flight leaves from Gate 128. This sign shows the Gates at the airport.



**b** In which terminal is **Gate 128**?

Terminal.....

**1 mark**

**c** Write down how to get to **Gate 128**.

.....  
.....  
.....

**1 mark**

**Q9** A customer wants to know the cost to fly to Glasgow.  
She finds these ticket prices on an airline's website.

**Ticket prices**

8am flight	£76
2pm flight	£85
10pm flight	£79

**Extras**

Choose seat, Board first, One extra bag All £15 each

The customer wants the **cheapest** priced ticket.  
She wants to choose her seat, board first and take an extra bag.

**a** How much will the customer pay?

Show your working out.

**Amount to pay £ .....**

**2 marks**

The woman thinks it is cheaper to travel by train. She finds these prices

**Train prices to:**

Dundee	<b>£188</b>
Edinburgh	<b>£182</b>
Glasgow	<b>£158</b>

**b**

Is the woman correct?  
**Give a reason for your answer. Use numbers to help you explain.**

Yes/No .....

Reason.....

.....

**1 mark**

**Total marks: 27**

**End of calculator paper**

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