

Functional Skills Mathematics (4748)

Entry 2 Sample Assessment



www.cityandguilds.com
March 2020
Version 1.2

Candidate's paper – Non-calculator Holidays

Time allowed – 25 minutes

Marks: 9

Name: _____

City & Guilds Enrolment Number: _____

Date of registration: _____

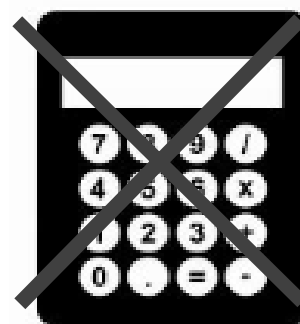
Date of assessment: _____

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.

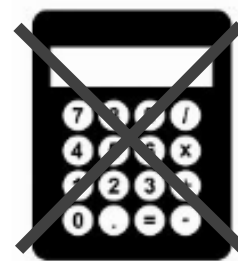
Candidate's signature _____

Date _____

Non-calculator paper

There are **9** marks available.

You must **not** use a calculator.



Q1

What number comes next in this list?

92 94 96 98

1 mark

Q2

What is 63 divided by 9?

.....

1 mark

Q3

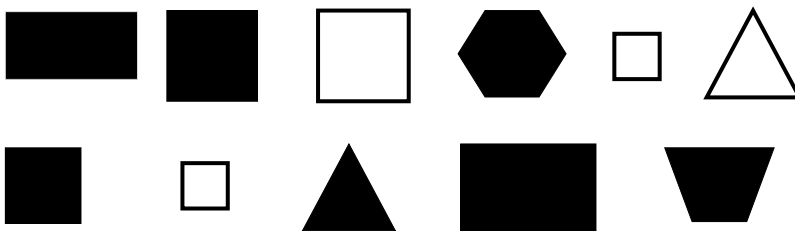
| | | | | |
|----|--|----|---|----|
| 80 | | 30 | = | 50 |
|----|--|----|---|----|

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

| | | | | |
|---|---|---|---|---|
| = | + | - | x | ÷ |
|---|---|---|---|---|

1 mark

Q4



1 mark

Tick all the **white squares**.

Q5 A flight attendant does this calculation.

| | | | | | | |
|----|---|----|---|----|---|-----|
| 87 | + | 39 | + | 52 | = | 178 |
|----|---|----|---|----|---|-----|

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

| | | | | | | |
|--|---|--|---|--|---|--|
| | + | | + | | = | |
|--|---|--|---|--|---|--|

1 mark

Q6 Count these crosses.

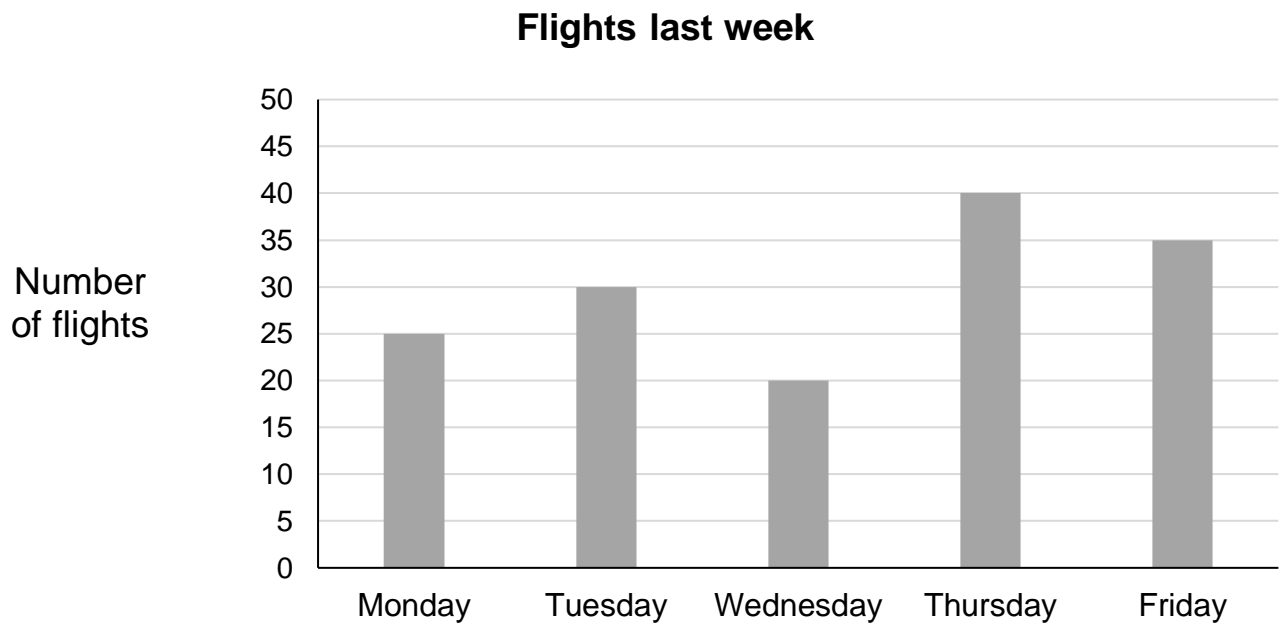
X X X X X X X X X X
X X X X X X X X X X
X X X X X X X X X X
X X X X X X

How many crosses (X) are there?

1 mark

.....

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

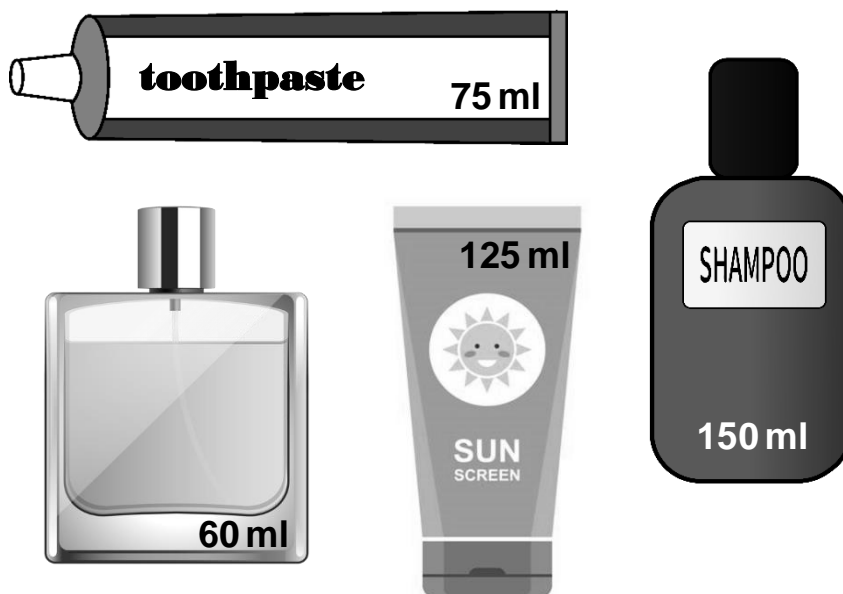


Which day had the largest number of flights?

.....

1 mark

Q8 A passenger wants to take these things on a plane.



Tick all of the things that are **less than 100 ml**.

1 mark

Q9 A man lives 10 kilometres from work.

He works 4.5 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.

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Entry 2 Sample Assessment



www.cityandguilds.com
March 2020
Version 1.2

Candidate's paper – Calculator allowed

Holidays

Time allowed – 65 minutes

Marks: 27

Name: _____

City & Guilds Enrolment Number: _____

Date of registration: _____

Date of assessment: _____

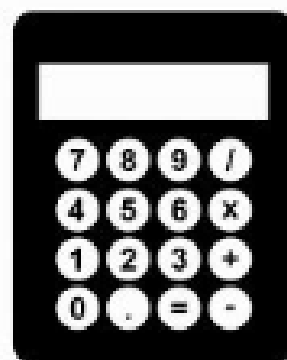
You will need

- 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.

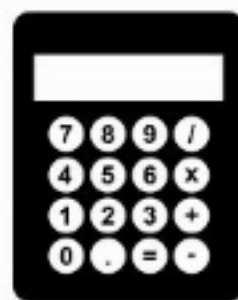
Candidate's signature _____

Date _____

Calculator paper

There are **27** marks available.

You may use a calculator.



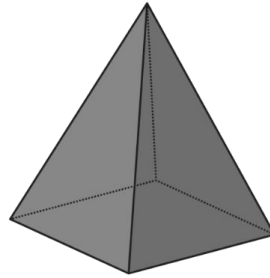
Q1

How many hours are in one day?

1 mark

.....

Q2

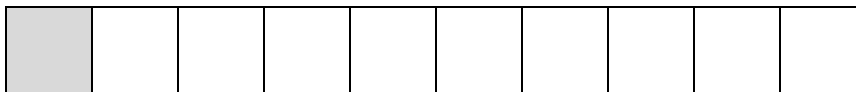


How many edges does a square based pyramid have?

- A. 4
- B. 5
- C. 6
- D. 8

1 mark

Q3



What fraction of the rectangle is coloured in grey?

1 mark

.....

- Q4** The weather forecast for the **UK** next week is **21 °C** every day.
Here is the weather forecast for Spain next week.

| Weather forecast for Spain | | | | | | |
|----------------------------|---------|-----------|----------|--------|----------|--------|
| Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday |
| 23°C | 22°C | 19°C | 20°C | 24°C | 26°C | 25°C |

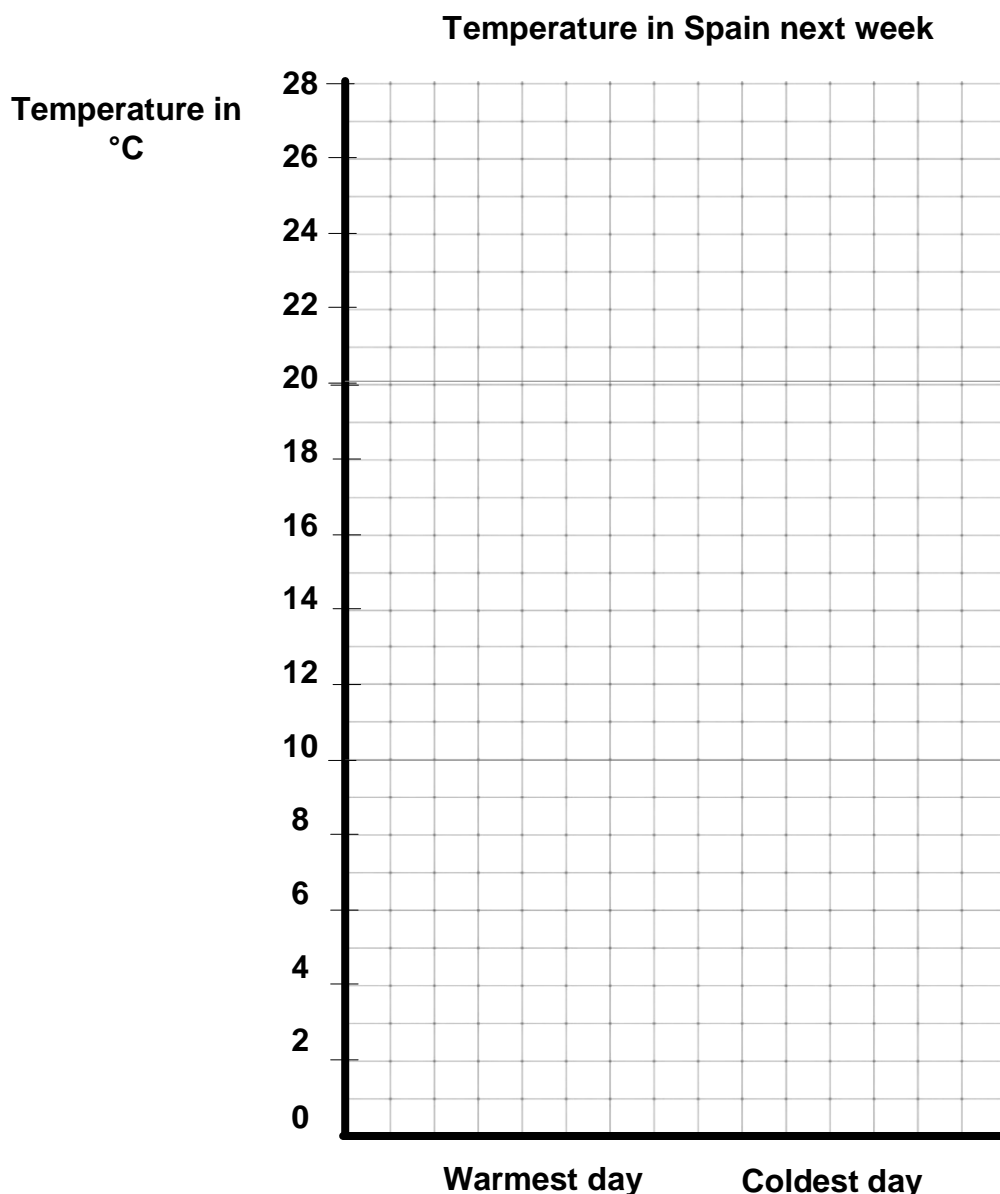
- a** Which days will be warmer in Spain than in the UK?
Tick all those days.

2 marks

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

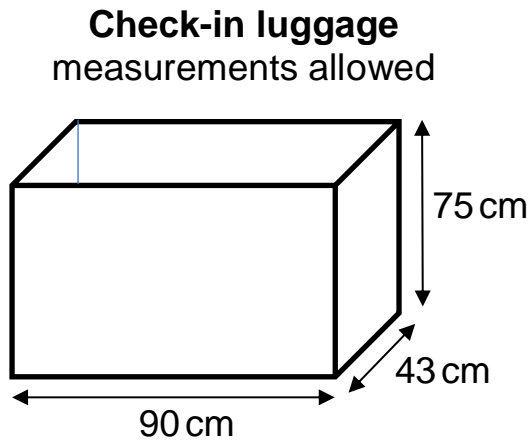
Draw **two** bars to finish the bar chart.

4 marks



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.



a What shape is the base of the box?

.....

1 mark

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

.....

1 mark

Q6 A man wants a new case to take on the plane.

The case is in the 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 only has these notes.



- b How much money does he have altogether?

Show your working out.

Amount of money £

2 marks

- c The man buys a bag and a wallet instead.
This bag costs £24 and the wallet costs £7.

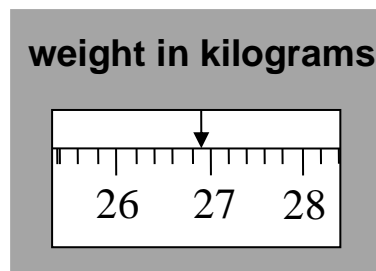
How much money will he have left? **Give units with your answer.**

Show your working out.

Money left

3 marks

Q7 A passenger checks the weight of her suitcase.



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

| Weight of suitcase | Cost |
|---------------------|------|
| less than 10 kg | £5 |
| 10 kg to 20 kg | £15 |
| over 20 kg to 30 kg | £25 |
| over 30 kg | £35 |

a How much does the passenger's suitcase weigh to the nearest kilogram?

..... kg

1 mark

b How much will it cost to take the suitcase on the plane?

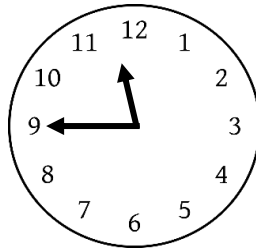
Cost £

1 mark

c Give a reason for your answer.

1 mark

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

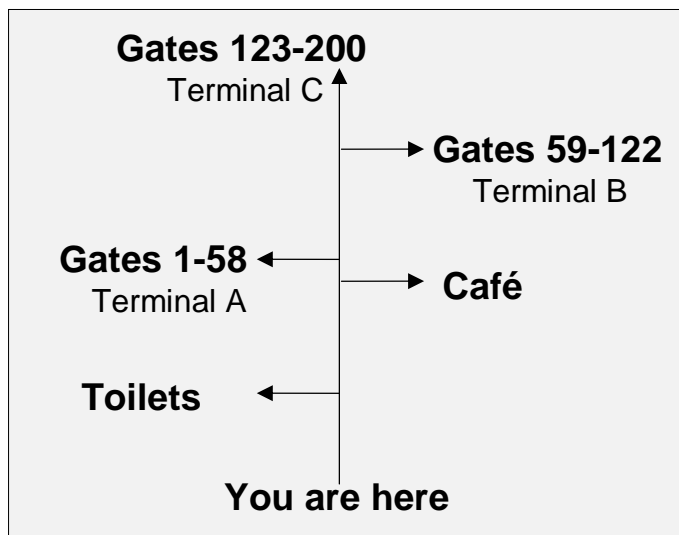


a Has his plane left?

Write down how you got your answer.

1 mark

His flight leaves from Gate 105. This sign shows the Gates at the airport.



b In which terminal is **Gate 105**?

Terminal.....

1 mark

c Write down how to get to **Gate 105**.

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 £86

2pm flight £95

10pm flight £89

Suitcase

£56

Extras

Choose seat, Board first, One extra bag All £12 **each**

The customer wants the **cheapest** priced ticket. She wants to take a suitcase, 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 **£198**

Edinburgh **£192**

Glasgow **£168**

b Is the woman correct?
Use numbers to explain your answer.

1 mark

Total marks: 27

End of calculator paper.

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