

Functional Skills Mathematics (4748) Entry 2 Sample Assessment



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March 2023
Version 1.0

Candidate's paper – Non-calculator Music Festival

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

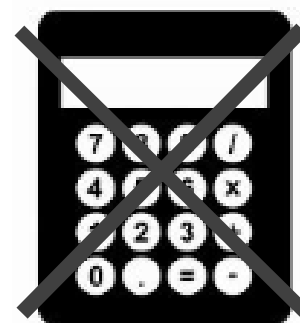
- Read each question carefully.
- Answer **all** the questions.

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

Add 88 and 79

.....

1 mark

Q2

How many hours are there in one day?
Tick one.

A 12

B 20

C 24

D 48

1 mark

Q3



What is the name of this **3D** shape?

.....

1 mark

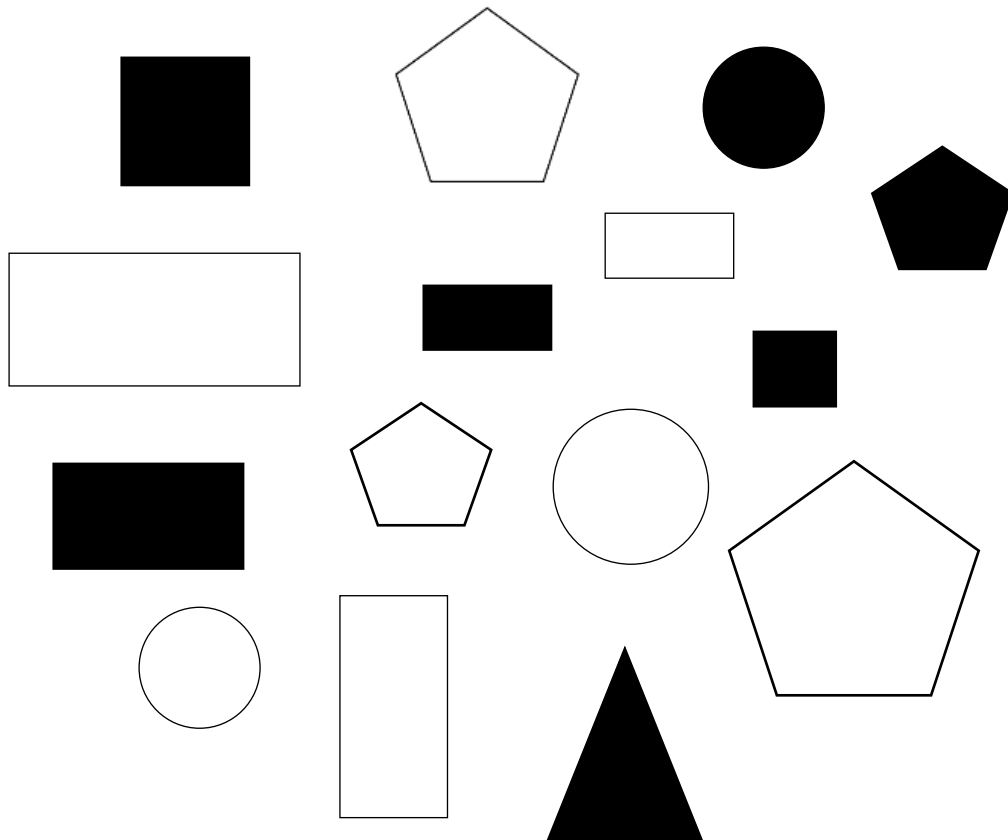
Q4

What number comes next in this list?

63 65 67 69

1 mark

Q5



Tick all the **white pentagons**.

1 mark

Q6

What is 9 multiplied by 8?

.....

1 mark

Q7 A music festival takes place next week **for 3 days**.
The first day is **Friday**.

Here is the weather forecast for next week.

27°C	26°C	25°C	24°C	24°C	23°C	26°C
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday

Which day of the music festival will be the hottest?

.....

1 mark

Q8 A man has £12 to spend on food.

Pizza	£8
Burger	£9
Wrap	£7
Chilli and rice	£14
Chips and dips	£6
Vegetable noodles	£7

What is the most expensive food the man can buy?

.....

1 mark

Q9 A festival tip is to take a cool box that **holds as much as possible**.

A shop sells these different sizes of cool boxes.

Cool boxes



47 litres



114 litres



91 litres



156 litres

Which size of cool box would be best to take to a festival?

.....litres

1 mark

Total marks: 9

End of non-calculator paper

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Candidate's paper – Calculator allowed Music Festival

Time allowed – 65 minutes

Marks: 27

Name: _____

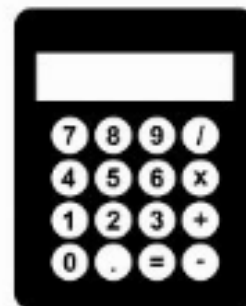
City & Guilds Enrolment Number: _____

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

What is $85 \div 4 =$

..... remainder

1 mark

Q2

Put these weights in order starting with the **lightest**.

93kg

168kg

84kg

187kg

..... kg

..... kg

..... kg

.....kg

1 mark

Q3

How many **edges** does a **hexagon** have?
Tick one.

A 3

B 4

C 5

D 6

1 mark

Q4 A student checks the prices of tickets for a music festival.

The student is 16 years old.

Music festival ticket prices	
Adult (18 years and over)	£190
Teen (13 – 17 years)	£140
Junior (6 – 11 years)	£50
Child (0 – 5 years)	£8

a

What is the cost of her ticket?

£

1 mark

b

Give a reason for your answer.

.....
.....

1 mark

Q5

A shop sells bottles of water in packs.

A student asks how many bottles are in a pack.



a What does the shop assistant tell him?

..... bottles

1 mark

The student buys **three** of these packs to take to a music festival.

b How many bottles of water will he take to the music festival?

Show your working out.

..... bottles of water

2 marks

Another student takes **64 bottles** of water.

She shares the bottles of water with some friends.

She keeps **half** of the number of bottles for herself.

c How many bottles of water does the student keep for herself?

Show your working out.

..... bottles of water

2 marks

A music festival tip is to take a water bottle that can be used again.

A woman buys this water bottle.



Water bottles				
Star rating	 3.5	 4.0	 1.5	 5.0

d What is the star rating of this woman's water bottle?

.....

1 mark

Q6 A music festival lasts for **3** days.

She takes these notes with her.



a How much money does the woman take to the music festival?
Give units with your answer.

.....

2 marks

A woman wants to have the same amount of money to spend on each of the **3** days.

b How much will she have to spend each day?

Show your working out.

£.....

2 marks





Q7 A man wants to take a camping table to a music festival.
 He needs one that will fit in the boot of his car.
 He measures the width of the boot.



a What is the width of the boot?

..... cm

1 mark

	A	B	C	D
				
width (folded flat)	115 centimetres	99 centimetres	100 centimetres	82 centimetres

b Which of these tables will fit in the boot of his car when folded flat?
Give a reason for your answer. Use the measurements to help you.

Table

Reason

.....

2 marks

The man needs to buy six bottles of this sunscreen.

He writes down a calculation to find what the total cost will be.



c

What calculation does he write down?

Write your calculation here and show the total cost.

1 mark

A group of friends each take cans of drink.

They use this calculation to work out the total number of cans.

$$9 + 21 + 8 = 38$$

They use approximation to check their calculation

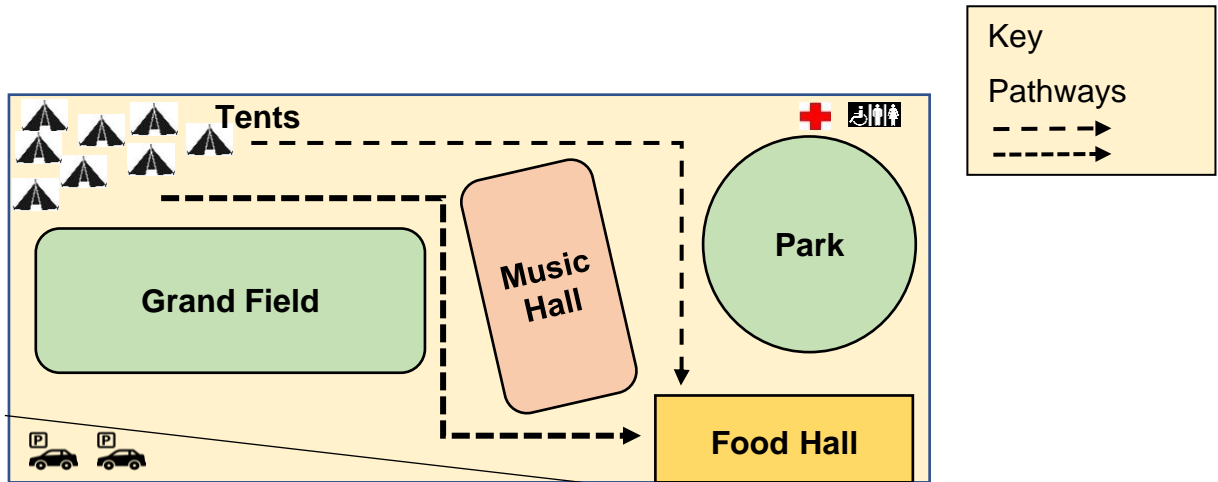
d

Show how they can use approximation to check their calculation.

Write your check here.

1 mark

Q8 A festival volunteer tells a group of friends to arrange a meeting point.
 The friends decide their meeting point will be the Food Hall.
 Here is part of a plan for a music festival.



a Explain how to get from the tents to the meeting point.
 Write the directions.

.....

.....

.....

1 mark

The friends agree to meet at the Food Hall at 7 o'clock in the evening.

One of the friends gets to the Food Hall at this time.



b

Does she get to the Food Hall at the agreed time?
Give a reason for your answer.

Yes/No

I think my answer is correct because

.....

.....

2 marks

Q9 At a festival this year 200 people were asked what type of music they like.

The festival manager wants to know which type of music the people like the most.

These are the results.

Type of music	Number of people
Punk	10
Rock	65
Indie	30
Metal	25
Hip Hop	20
Pop	40

a

What will you tell him?

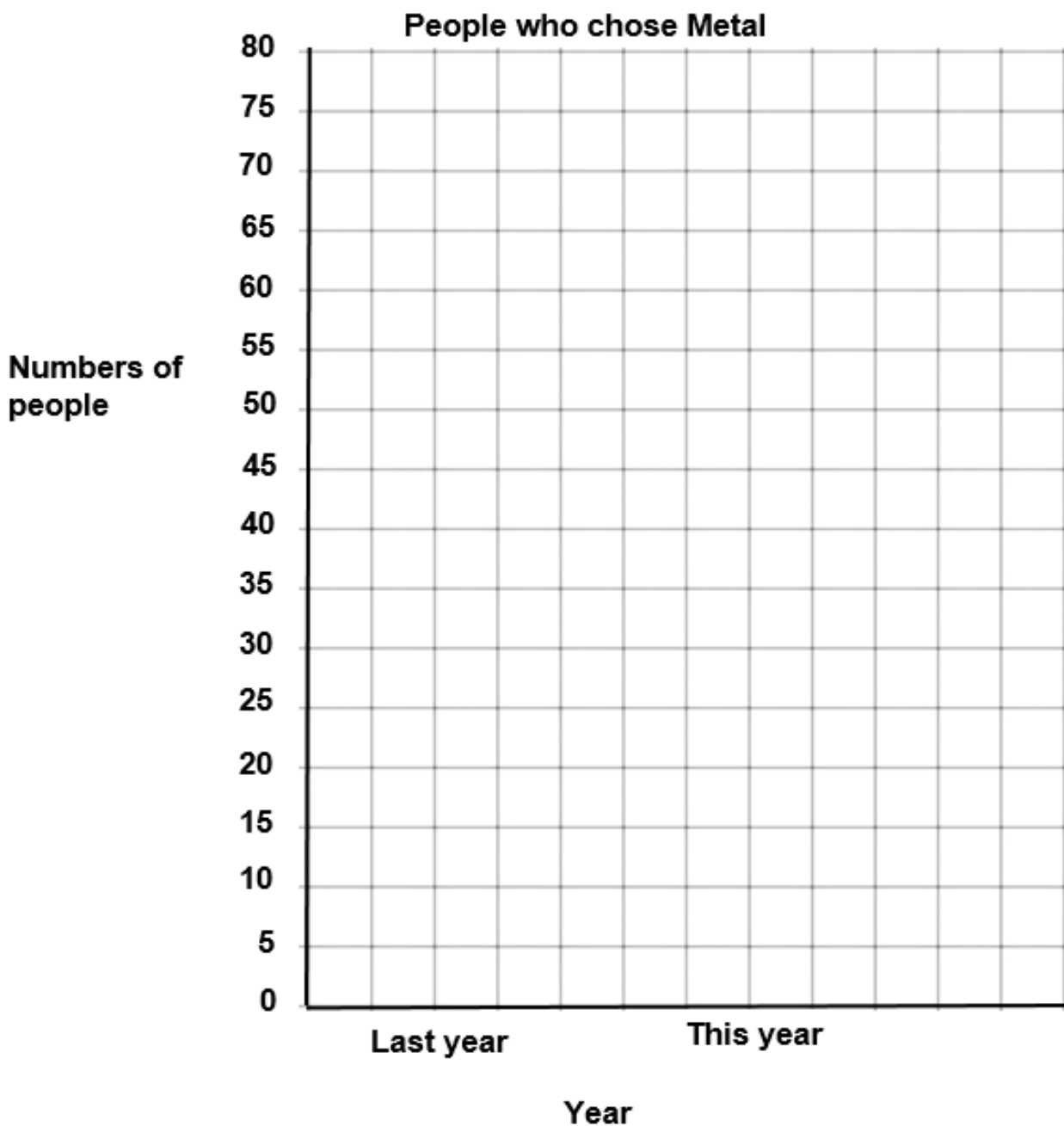
.....

1 mark

Last year 70 people chose **Metal** as the type of music they liked the most.

The festival manager needs a chart to show the number of people who chose Metal **last year** and the number of people who chose Metal **this year**.

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



2 marks

The festival manager asks an assistant to **compare** the numbers of people who like Metal last year and this year.

c

What does the assistant tell the manager?

.....

.....

.....

1 mark

Total marks: 27

End of calculator paper

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