

Functional Skills Mathematics (4748) Entry 2 Sample Assessment



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April 2023
Version 1.0

Candidate's paper – Non-calculator Sport

Time allowed – 25 minutes

Marks: 9

Name: _____

City & Guilds Enrolment Number: _____

Date of registration: _____

Date of assessment: _____

You will need

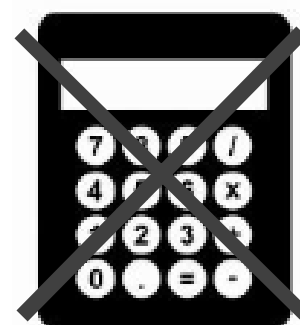
- a pen with black or blue ink
- a pencil
- a rubber
- a ruler.

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 Count these balls.



How many balls are there?

.....balls

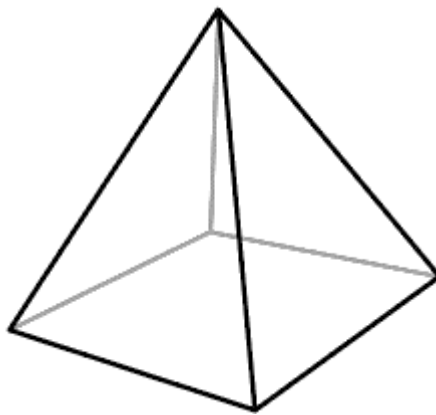
1 mark

Q2 Subtract 24 from 87

.....

1 mark

Q3 What is the name of this shape?



.....

1 mark

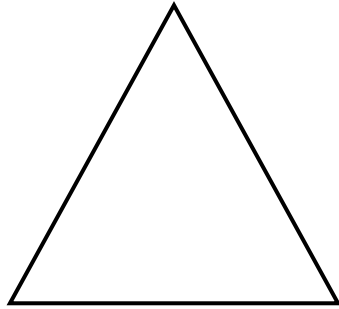
Q4 What is 50 millimetres **add** 65 millimetres **add** 25 millimetres?

..... millimetres

1 mark

Q5

How many **angles** does this shape have?

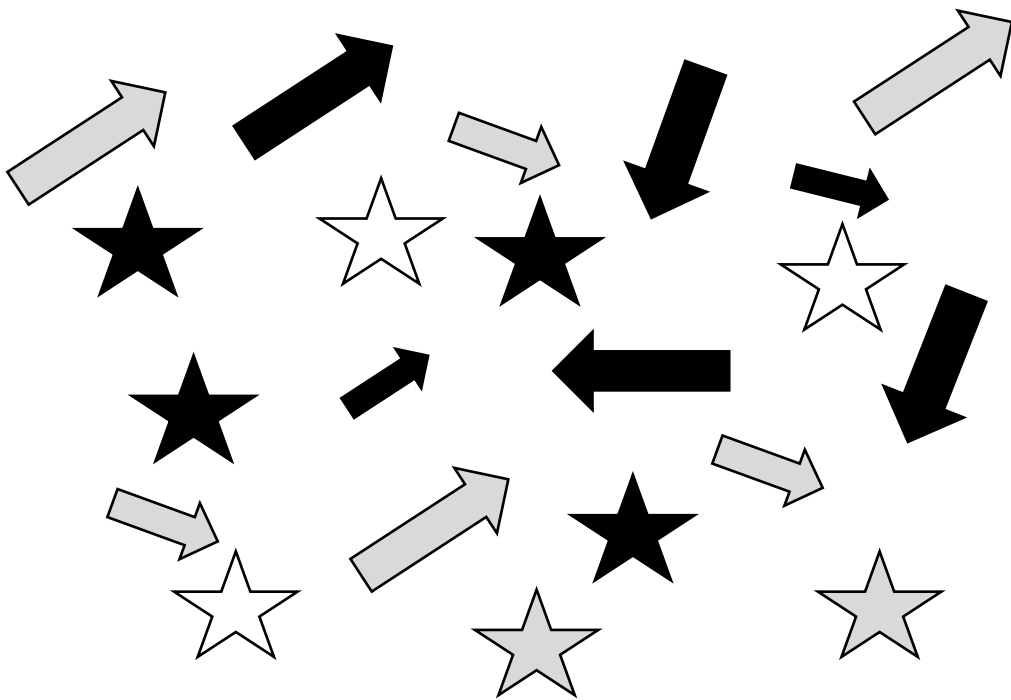


.....angles

1 mark

Q6

Tick all the **black arrows**.



1 mark

Q7 A tennis player needs to buy a water bottle. She wants the one that will hold the most water.

A shop sells these different size water bottles.



190 millilitres

A



150 millilitres

B



130 millilitres

C



180 millilitres

D

Which of these should she buy?
Tick one.

1 mark

Q8 Four athletes take part in a long jump competition.
These are the lengths of each of their jumps.

2.1m 2.4m 2.3m 2.5m



A judge needs to keep a record of the length of each jump.
She writes the lengths in order **starting with the longest**.

What does the judge write down?

.....m m m m

1 mark

Q9 A gym instructor needs to put the weights away at the end of the day. The gym has weights in these sizes. He needs to stack them in **order of weight** starting with the **lightest**.



Which of the following lists show the order the gym instructor should stack the weights?

Tick one.

- | | | | | | |
|----------|------|------|------|------|--------------------------|
| A | 15kg | 20kg | 5kg | 10kg | <input type="checkbox"/> |
| B | 10kg | 5kg | 15kg | 20kg | <input type="checkbox"/> |
| C | 5kg | 10kg | 15kg | 20kg | <input type="checkbox"/> |
| D | 20kg | 15kg | 10kg | 5kg | <input type="checkbox"/> |

1 mark

Total marks: 9

End of non-calculator paper

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April 2023
Version 1.0

Candidate's paper – Calculator allowed
Sport

Time allowed – 65 minutes

Marks: 27

Name: _____

City & Guilds Enrolment Number: _____

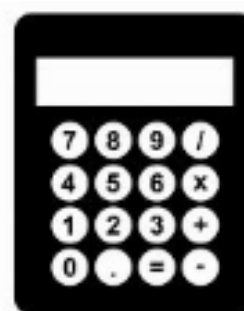
Date of registration: _____

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.

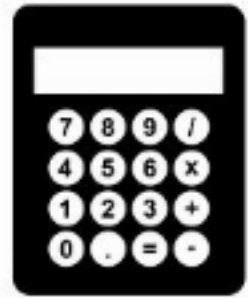
Candidate's signature _____

Date _____

Calculator paper

There are **27** marks available.

You may use a calculator.



Q1

What is 9×6 ?

.....

1 mark

Q2

What number comes next in this list?

63 65 67 69

1 mark

Q3

How many hours are there in one day?

..... hours

1 mark

Q4 Three football supporters buy tickets for a football match. One of the supporters is **24 years old**, one is **19 years old** and one is **10 years old**.

They buy the tickets **on the match day**.

Ticket prices		
Age	Buy in advance	Buy on the match day
Adult (22 years and over)	£28	£30
Under 22 (12 years – 21 years)	£19	£21
Under 12	£7	£7

a

What is the cost for **all** the tickets they buy?
Give units with your answer.

Show your working out.

Cost of tickets

4 marks

The match starts at a **quarter to 8**.

One of the supporters looks at his watch.



b

Has the match started?
Give a reason for your answer.
Use the times to help you.

Yes/No.....

Reason.....

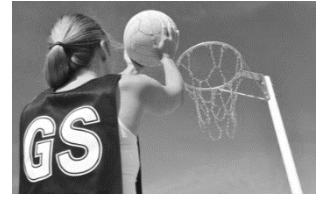
.....

.....

1 mark

Q5 A netball match lasts for 60 minutes.

There is a break at **half time**.



a How long do the teams play before the break?

Space for working.

.....minutes

1 mark

A netball team has **7 players**.
Two teams will play in a match.

At half time **each player** in the match gets a $\frac{1}{4}$ of an orange.

The caterer needs to know how many oranges to buy.

b How many oranges should he buy?

Show your working.

.....oranges

3 marks

Q6 A youth club raised £95 to buy a dartboard **and** a dartboard cabinet.

The youth club leader wants to know if there will be enough money left over to **buy a set of darts** that **cost £11**.



**Dartboard
£39**



**Dartboard cabinet
£43**

a Does the youth club have enough money to buy the set of darts?
Give a reason for your answer. Use the costs to help you.

Space for working.

Yes/No

Reason

.....

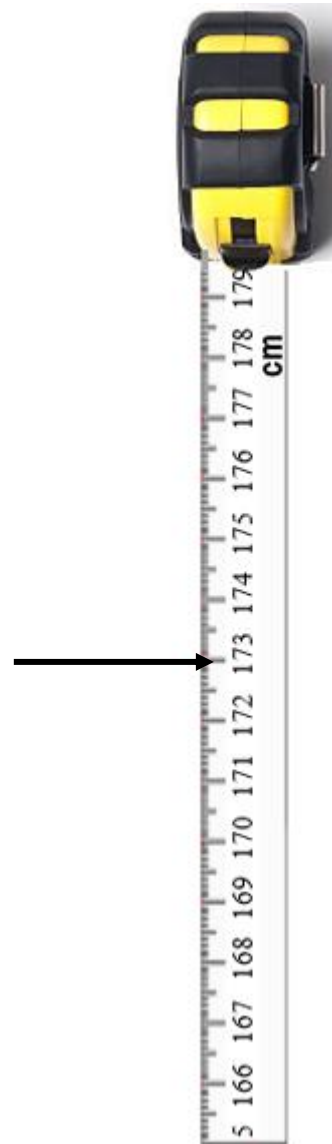
.....

2 marks

The youth leader needs to fix the dartboard to the wall.
He measures from the floor to where the centre of the dartboard will go.

- b** How far up from the floor will the centre of the dartboard go?
Give units with your answer.

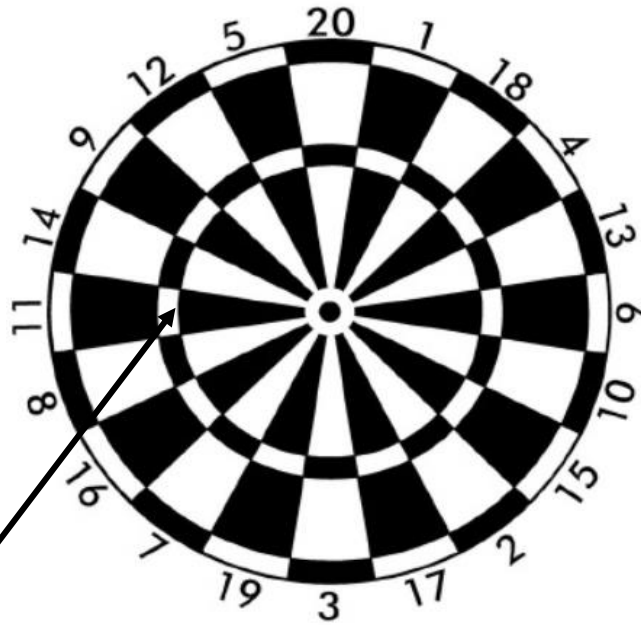
The centre of the
dartboard will go
here



.....

2 marks

A darts player will throw three darts.
She has to work out her own score.



Her first dart lands in this space on number 11.
To work out her score she must count **three times** this number.

c What is her score for her first dart?

Score.....

1 mark

Q7 A man wants to go to a cricket tournament with his friend.
The first match starts at 11 o'clock.

They arrange to meet **an hour before**.



a Which of these clocks show the time they arrange to meet?
Tick one.

1 mark

At the end of the first day **three** of the cricketers scored these runs,
28, 61 and 39.

The man does this calculation to work out the total score.

$$28 + 61 + 39 = 128$$

His friend checks his calculation by using **approximation**.

b Show how the friend used approximation to check the calculation.

Write your check here.

2 marks

At the end of the tournament the friends want to compare the runs for each team.

The team with the highest number of runs wins the tournament.

Team A had **158 runs**

Team B had **179 runs**

Team C had **192 runs**

Team D had **153 runs**

c

Which team won?

Team.....

1 mark

Q8

A swimming pool attendant needs to check the temperature of the water in the pool each day.

The temperature should be between **25°C and 29°C**.

She keeps this record.

Day	Water temperature
Monday	28°C
Tuesday	26°C
Wednesday	

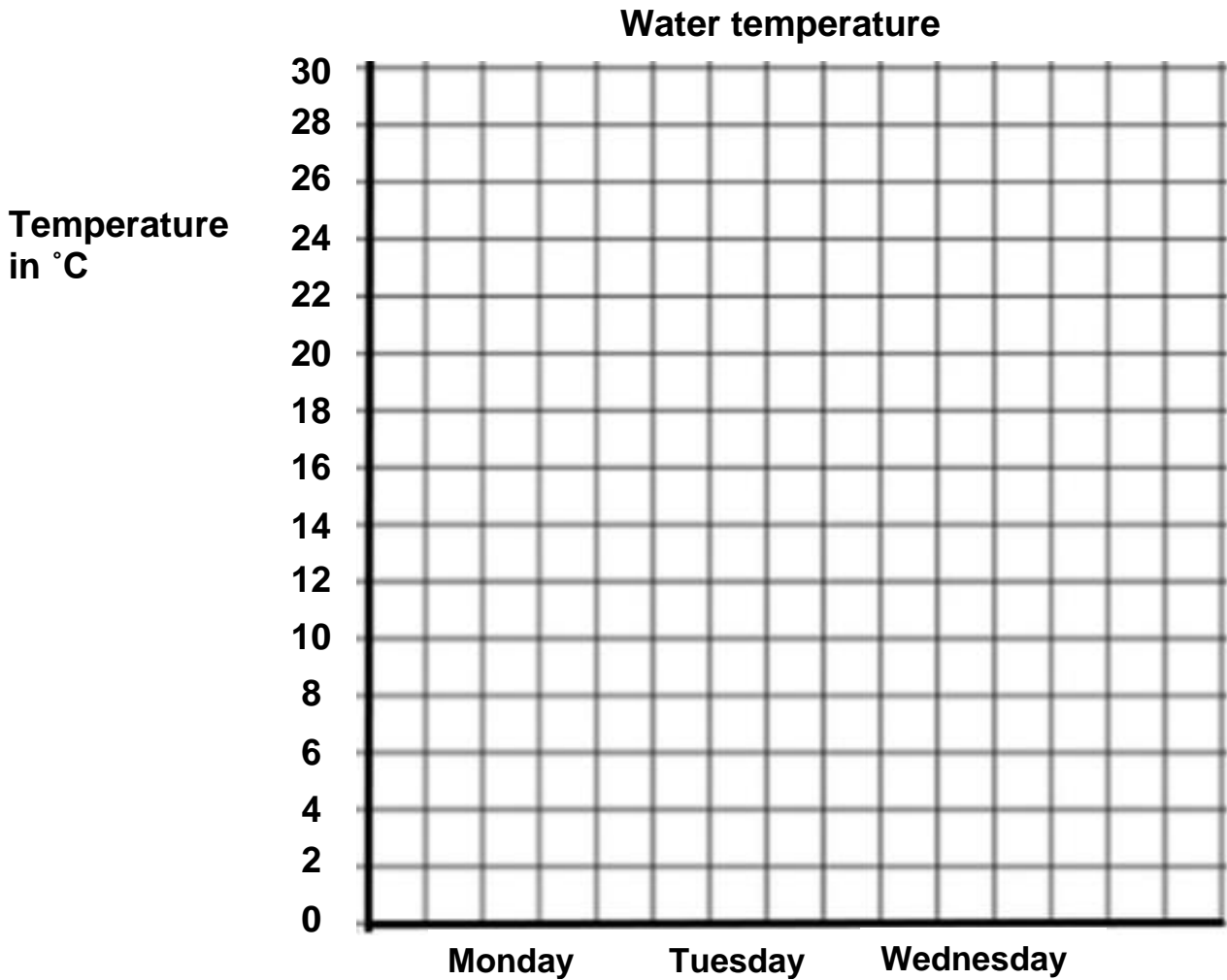
This is the temperature on Wednesday.



The attendant needs to draw a bar chart for her supervisor to show the water temperature so far this week.

a

Draw **three** bars to finish the chart.



3 marks

The supervisor wants to know if the water in the pool has been at the correct temperature.

b

What should the attendant tell the supervisor?
Use your bar chart to help you explain.

.....

.....

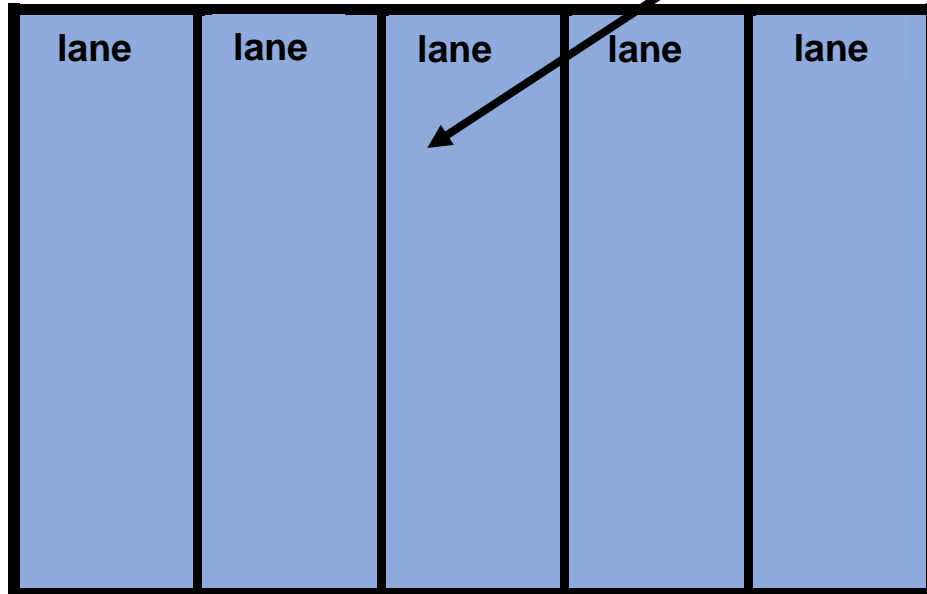
.....

2 marks

Q9 A swimming coach needs to write a list to put on a notice board. He needs to tell the swimmers which lane they will compete in for the next competition.

The winner of the last competition will compete in this lane.

Diagram of a swimming pool



What will the coach write on the list?
Finish this sentence.

The winner of the last competition will compete in the..... lane.

1 mark

Total marks: 27

End of calculator paper

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