# Functional Skills Mathematics (4748) Entry 3 Sample Assessment

## Candidate's paper - Non-calculator

Community Events

## 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** | What is the next number in this sequence?

14     32     50     68     ……….        **1 mark**

**Q2** | What is **839** rounded to the nearest 100?

…………………………………………………………………………     **1 mark**

**Q3** | Write **nine hundred and seven** in figures.

…………………………………………………………………………     **1 mark**

**Q4** | Which of these is the **highest** number?

390.40        389.77        389.90        390.25

…………………………………………………………………………     **1 mark**

**Q5** | Subtract **368** from **896**

…………………………………………………………………………     **1 mark**

**Q6**
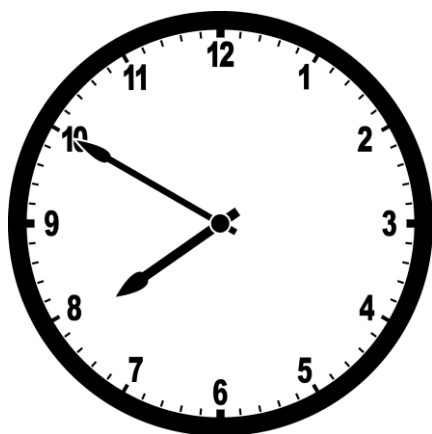


**evening**

What time does the clock show?

……………………………………………… **1 mark**

**Q7**

Which one of these measuring instruments is **best** to measure 100g sugar?
**Tick one.**

| A | B | C | D |
|---|---|---|---|



☐      ☐      ☐      ☐

**1 mark**

**Q8** At a charity Fun Race event four friends finished the race in the following times.

Friend A   1 hour 10 minutes   ☐

Friend B   59 minutes   ☐

Friend C   1 hour 6 minutes   ☐

Friend D   56 minutes   ☐

Who had the fastest time?
**Tick one.**

**1 mark**

**Q9** An organiser keeps a record of the different types of community events that took place over the summer.

She started to put this information into a frequency table to report at a meeting.

| Fun Fair | Marathon | Quiz | Marathon | Fun Fair |
|----------|----------|------|----------|----------|
| Quiz | Street Party | Fun Fair | Quiz | Quiz |
| Talent Show | Quiz | Street Party | Talent Show | Marathon |
| Fun Fair | Talent Show | Quiz | Fun Fair | Street Party |
| Street Party | Marathon | Talent Show | Quiz | Fun Fair |

| Community Event | Frequency |
|-----------------|-----------|
| Fun Fair | 6 |
| Marathon | 4 |
| Street Party | 4 |
| Quiz | |
| Talent Show | |

Complete the frequency table.

**1 mark**

**Q10** This chart shows the numbers of people attending different community events last year.

**Community Events**
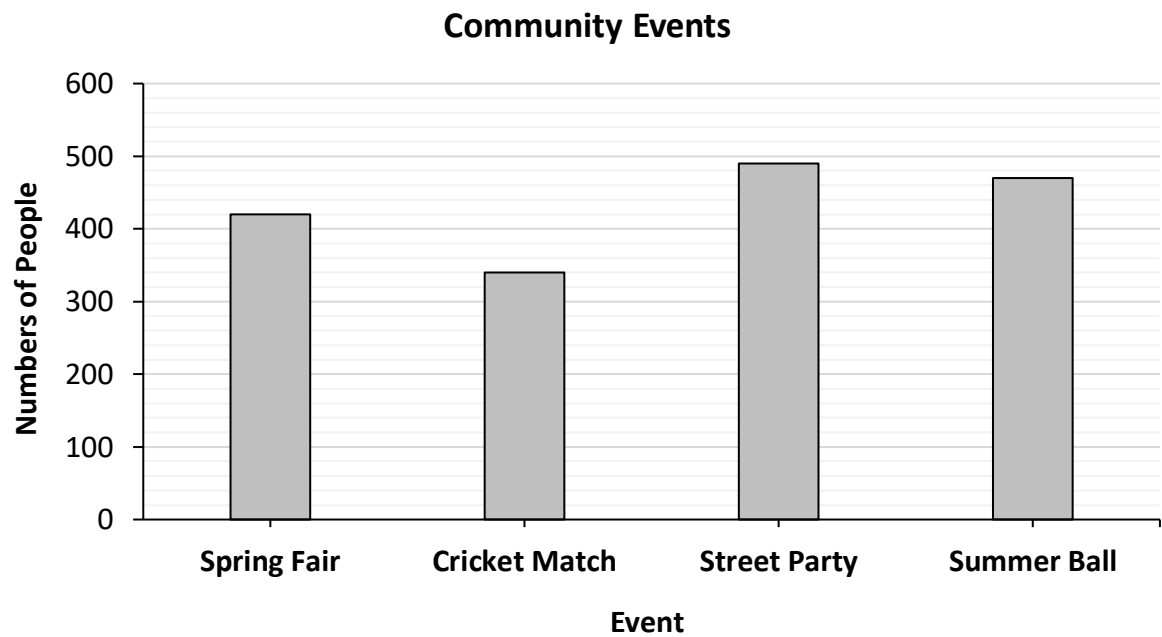


Which **two** events had the **highest** number of people attending?

……………………………        ……………………….        **1 mark**

**Total marks: 10**

**End of non-calculator paper.**

# Functional Skills Mathematics (4748) Entry 3 Sample Assessment

## Candidate's paper – Calculator allowed

Community Events

## 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:**
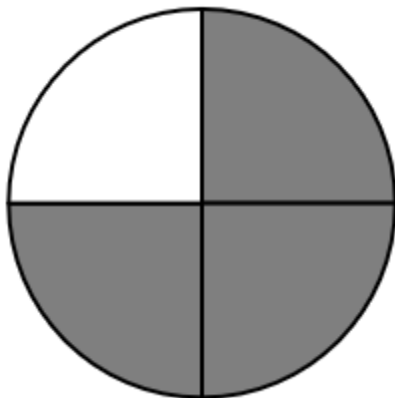I confirm that this assessment is my own work.

**Candidate's signature** _____

**Date** _____

## Calculator paper

There are **30** marks available.

You may use a calculator.

**Q1** | What fraction of this shape is shaded?



………..…………………………… **1 mark**

**Q2** | What is the next number in this sequence?

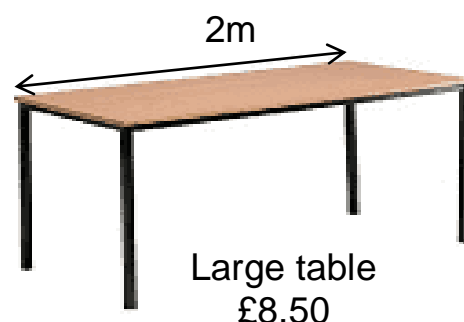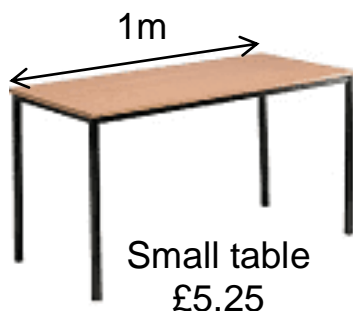2.4    3.5    4.6    5.7    ……… **1 mark**

**Q3** | What is £108.72 rounded to the nearest pound?

………..……………………………. **1 mark**

**Q4**   A youth club plans to hold a Charity Sale.
People hire tables to sell things from.
The youth club has these different size tables.

1m

Small table
£5.25

2m

Large table
£8.50

A man wants to hire tables to cover a length of **4 metres**.

Which tables would be **cheapest** for him to hire?
**Give a reason for your answer. Use numbers to help you explain**.

Show your working out.

Tables chosen …………………………. and

Total cost £……………………………

Reason

**4 marks**

**Q5** A playgroup plans to hold a Coffee Morning to raise money.
The play leader needs to buy more cups, sugar and milk.

She says we need 200 cups.
They have these cups.



**a** How many more cups do they need?

Space for working out.

……………. cups

**2 marks**

She needs to work out how many bags of sugar she needs for 200 cups. She allows **one spoonful of sugar** for each cup.

White Sugar

500g

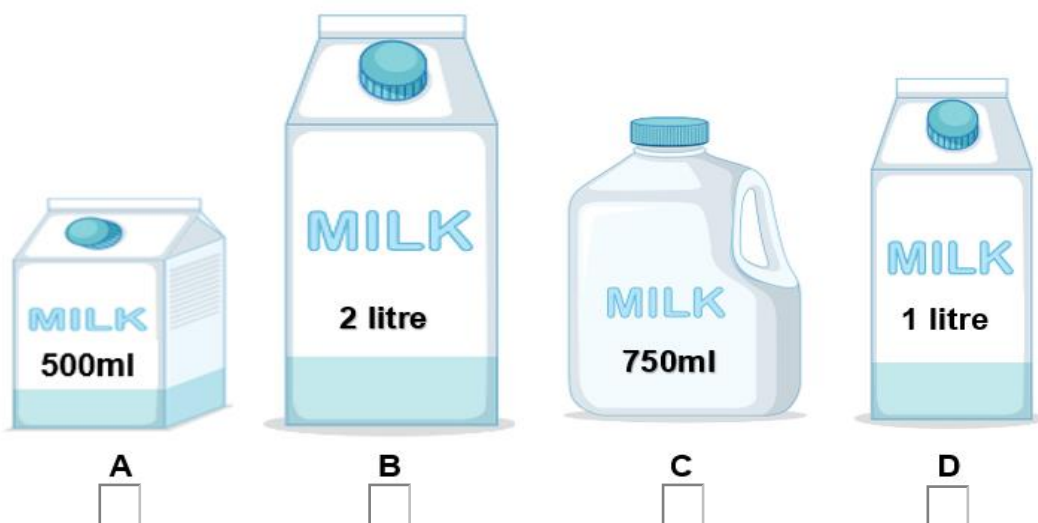one spoonful of sugar weighs 4 grams

**b**

How many bags of sugar should the play leader buy?

Show your working out.

………………… bags

**3 marks**

The play leader works out she needs 850ml of milk.

| A | B | C | D |
|---|---|---|---|
| MILK 500ml | MILK 2 litre | MILK 750ml | MILK 1 litre |
| ☐ | ☐ | ☐ | ☐ |

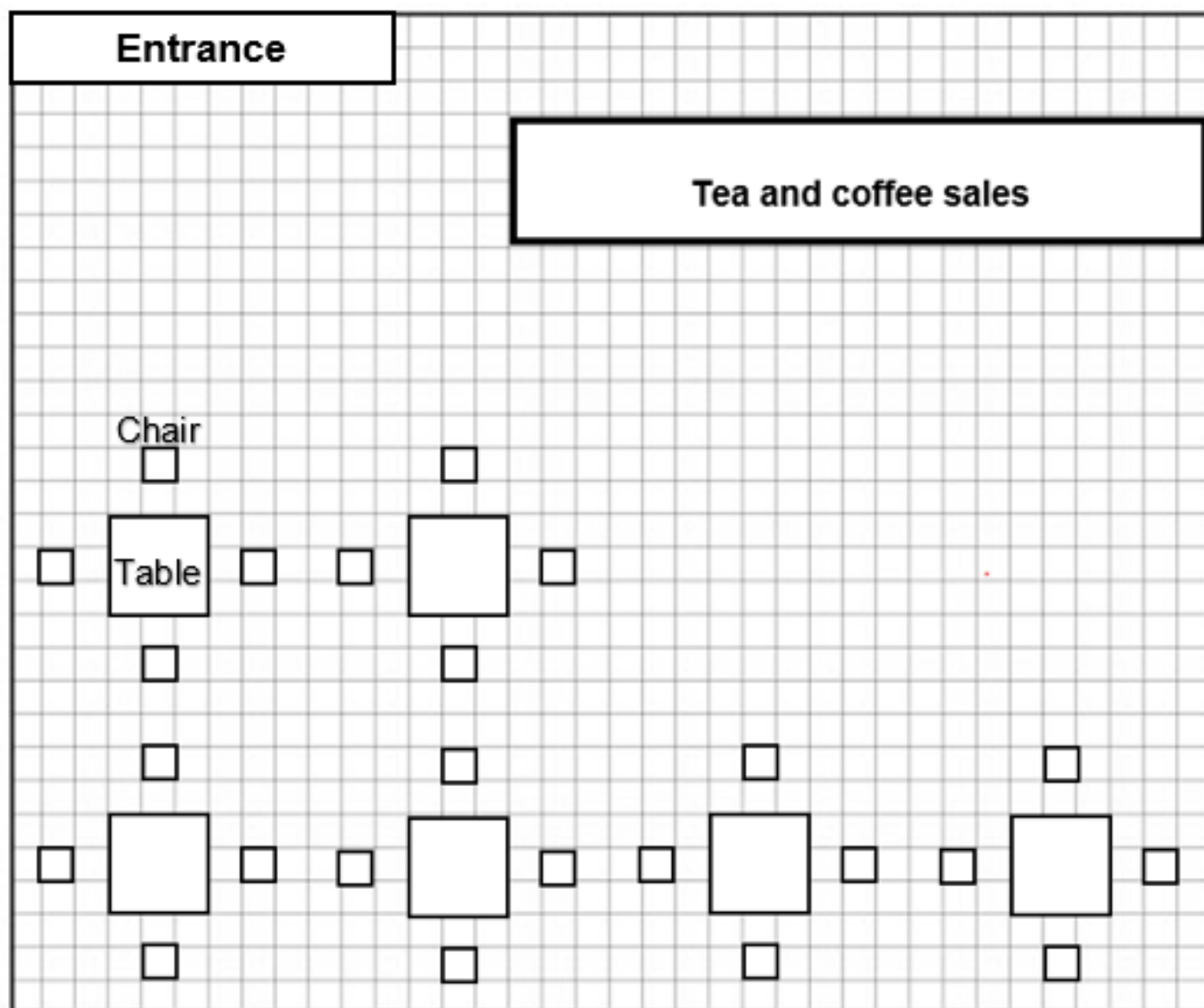**c** Which size milk should she buy? **Tick one.**  **1 mark**

**Q6** There will be Afternoon Tea at the community centre.
The organiser needs to set up the room.

He starts to draw a plan to show where he wants the tables and chairs to go.

He needs **two more tables and eight chairs.**

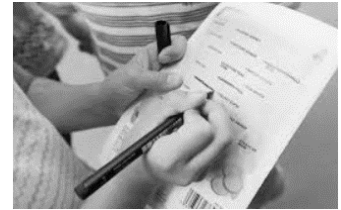They need to be the same size and the same distance apart as the others.

### Plan of the room



**a** Complete the plan to show where the tables and chairs will go.
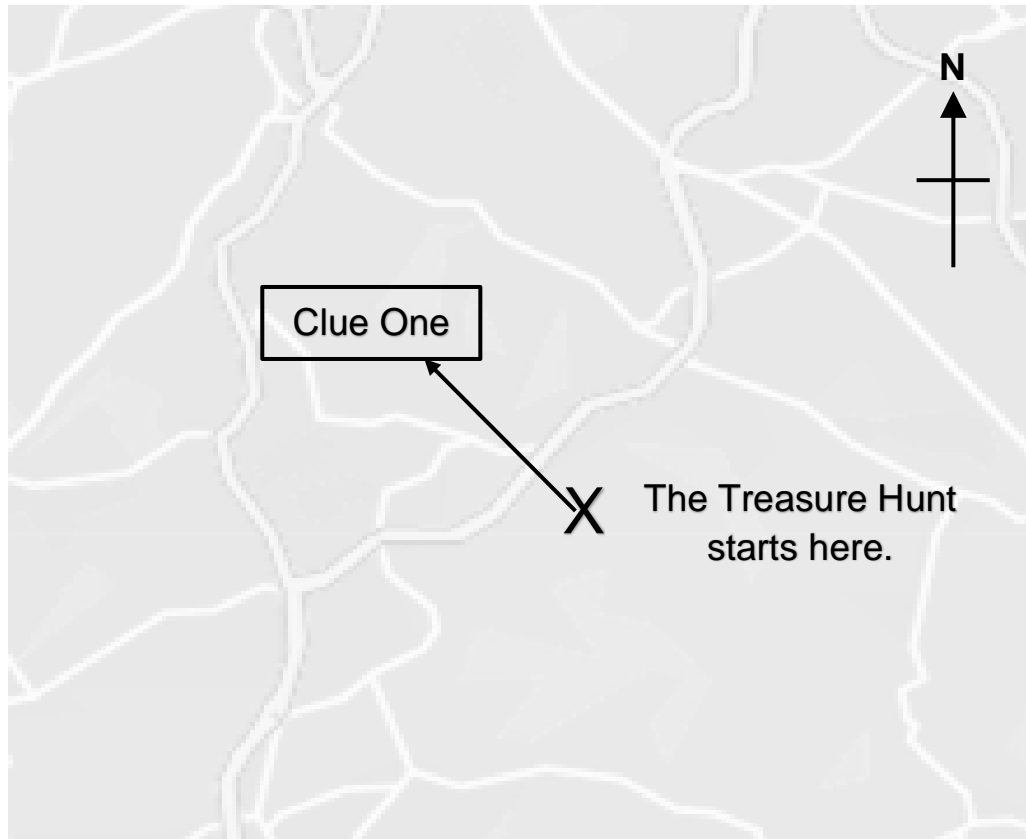**Put labels on your diagram.**

**4 marks**

**Q7**   A scout group organises a Treasure Hunt.
People will follow directions to look for clues
**and** then answer questions.

A group of friends decide to take part.

Here is the direction to Clue One



**a**   In which direction is Clue One?

……………………………………….…… **1 mark**

They read Clue One.

## Clue One

**b**
<div style="border:1px solid #ccc; padding:8px">Which one of these letters has **no** lines of symmetry?</div>

# H   M   N   0

…………………………………………………………… **1 mark**

**Q8**   A club plans to hold a Barbecue for 400 people.

She allows **two sausages** for **each person**.

A club member needs to order the rolls **and** sausages.
She needs to order **one long roll** for **each sausage**.

The rolls are sold in packs of 24

long roll

**a**   <div style="border:1px solid #ccc; padding:8px">How many packs of rolls must she order?</div>

Show your working out.

…………………….. packs of rolls

**4 marks**

She needs to order the sausages.

$\frac{1}{10}$ of the number of sausages need to be vegetarian.

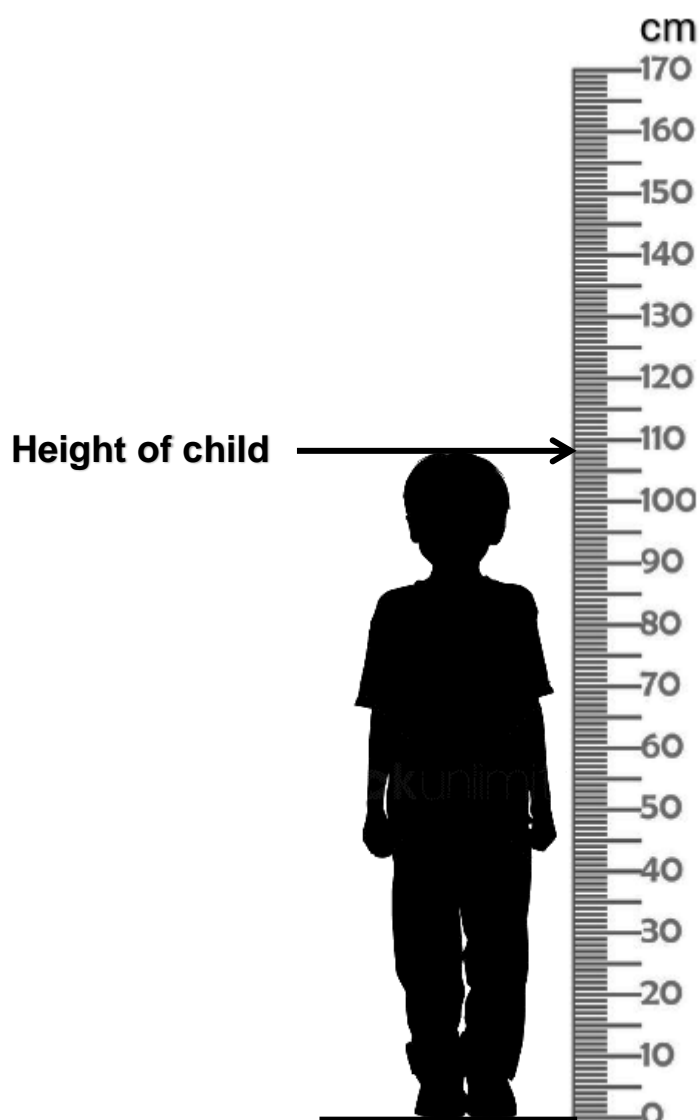**b** How many vegetarian sausages will she order?

Show your working out.

……………………. vegetarian sausages

**2 marks**

**Q9** A family sees a poster for a Fun Fair.

It says children have to be **over 102cm** tall to go on the rides.
They need to check their child's height before they go to the Fun Fair.



Height of child

Can the child go on the rides? **Give a reason for your answer. Use numbers to help you explain.**

Space for working.

Yes / No ……………..

Reason

**2 marks**

**Q10** A dance school holds a Dance Display every year.
**Last year** they made £650 from the ticket sales.

**This year** they sold 97 tickets at £5.75 each.

The organiser thinks they made **more money** this year than they did last year from the ticket sales.

**a** | Is the organiser correct? **Give a reason for your answer.** **Use numbers to explain.**

Show your working.

Yes / No ……………..

**2 marks**

**b** | Use approximation to check one of your answers.

Show your check here.

**1 mark**

**Total marks: 30**

**End of calculator paper.**