

Functional Skills Mathematics (4748) Entry 3 Sample Assessment



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March 2023
Version 1.0

Candidate's paper – Non-calculator Home Improvements

Time allowed – 25 minutes

Marks: 10

Name: _____

City & Guilds Enrolment Number: _____

Date of registration: _____

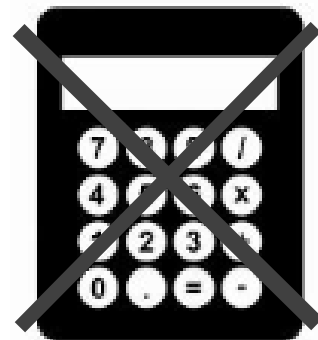
Date of assessment: _____

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

Work out $830 \div 4 =$

..... remainder.....

1 mark

Q2

Work out $780 - 155 =$

.....

1 mark

Q3

Which of these shows this lock
Tick one.



after a **quarter turn** clockwise?

A



B



C



D



1 mark

Q4 Round **764** to the nearest 10

.....

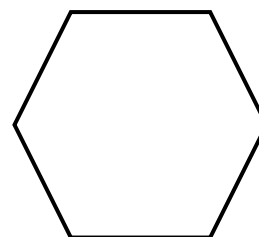
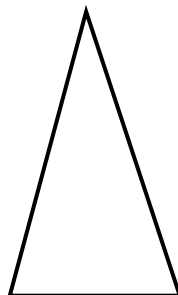
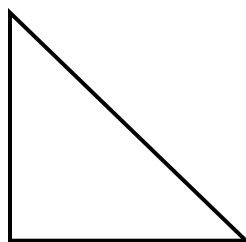
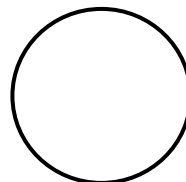
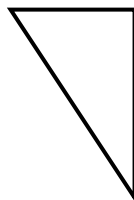
1 mark

Q5 What is the next number in this sequence?

13 26 39 52

1 mark

Q6 Tick all the shapes below that have **one or more right angles**.



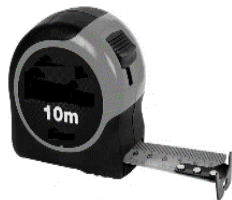
1 mark

Q7

Which one of the following is the **best** to measure the height of a room?
Tick one.



A



B



C



D

1 mark

Q8

A man wants to order a box of tiles.

The box of tiles costs £29.68

He wants to know the **approximate** cost for this box of tiles.

What is the approximate cost?

£

1 mark

Q9 A manager in a DIY shop needs to count the stock of paintbrushes.

He makes a note of the different sizes.

These are the results.



Paintbrushes (width)				
75mm	38mm	63mm	38mm	25mm
75mm	63mm	25mm	75mm	50mm
50mm	25mm	75mm	63mm	25mm
75mm	63mm	38mm	75mm	75mm
63mm	50mm	75mm	25mm	63mm

Paintbrush	Frequency
25mm	5
38mm	3
50mm	3
63mm	
75mm	

Complete the frequency table.

1 mark

Q10 A customer wants to buy a new bath.

The shop has a closing down sale.

The original price for the bath is £696

All original prices
reduced
Pay only $\frac{1}{3}$

What amount of money will the customer have to pay for the bath?

£

1 mark

Total marks: 10

End of non-calculator paper

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Functional Skills Mathematics (4748) Entry 3 Sample Assessment



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March 2023
Version 1.0

Candidate's paper – Calculator allowed Home Improvements

Time allowed – 65 minutes

Marks: 30

Name: _____

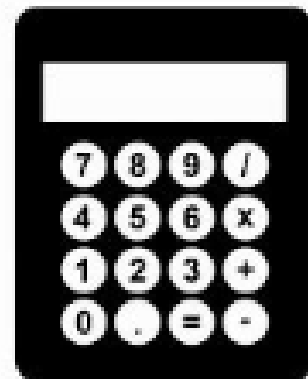
City & Guilds Enrolment Number: _____

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 49 x 19 =

.....

1 mark

Q2 Which one of the following is correct?
Tick one.

- A** 437 is **more than** 451
- B** 671 is **less than** 643
- C** 556 is **more than** 527
- D** 857 is **less than** 839

1 mark

Q3 What is the next number in this sequence?

4.5 5.7 6.9

1 mark

Q4 A shop assistant needs to put a price sticker on all planks of wood that are **more than** one metre long. He has these planks of wood.

85 centimetres 282 centimetres 50 centimetres 350 centimetres

How many price stickers does the shop assistant need?

..... **stickers**

1 mark

Q5 A woman orders these items online to collect in the store.
She has a voucher for **£5 off** the total cost when she orders online.

mirror	£79.75
3 cushions	£15 each
curtain pole	£32.65
rug	£28.25

a

Work out how much she pays.
Give units with your answer.

Show your working.

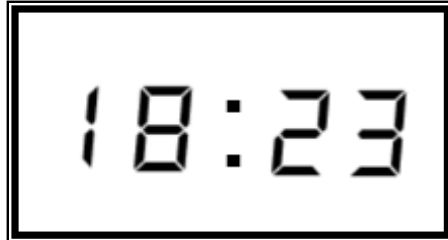
Total cost

3 marks

Collection information

Order **before 7pm** and collect **tomorrow after 11am**
or **order after 7pm** to collect **tomorrow after 3pm**

This is the time when the woman made her order.



- b** What is the earliest time the woman can collect her order tomorrow?
Give a reason for your answer.

Earliest time

Reason

.....

2 marks

Q6 A man wants to wallpaper a room.
He uses this table to work out how many rolls of wallpaper he wants.

The **measurement around the walls** is 6 metres.

The **height of the wall** is 2.4 metres.

Number of rolls of wallpaper needed			
Height of wall	Measurement around the walls		
	4 metres or less	5 metres or less	6 metres or less
2 metres or less	2 rolls	3 rolls	3 rolls
3 metres or less	3 rolls	3 rolls	4 rolls
4 metres or less	3 rolls	5 rolls	5 rolls

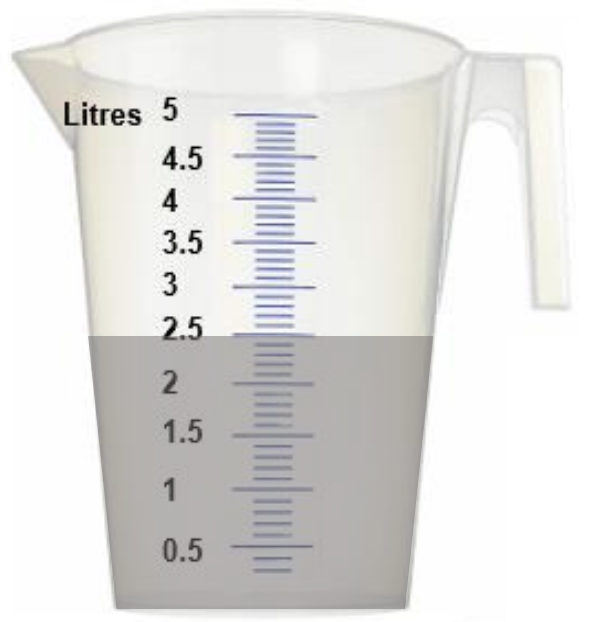
a How many rolls of wallpaper does the man need?
Circle your answer on the table above.

2 marks

The man checks how much water he needs to make the wallpaper paste.

Litres of water	Rolls of wallpaper
2	1 – 3 rolls
3	4 – 5 rolls
4	6 – 8 rolls

He puts some water in a jug.



b

Did the man put the right amount of water in the jug?
Give a reason for your answer.
Use numbers to help you explain.

Yes/No

Reason

.....

2 marks

Q7 A woman wants to put up 5 shelves.
Each shelf has 4 brackets. Each bracket needs 4 screws.

a How many screws does the woman need to buy?

Space for working out.

..... screws

1 mark

Each shelf can hold items **up to 8 kilograms** in total.

She wants to display **three** different items on the top shelf.



3 kilograms



255 grams



6 kilograms



638 grams



4 kilograms



2 kilograms

- b** Choose **three items** the woman can display together on the shelf.
Tick the items.

Space for working out

2 marks

Q8 The manager of a tile shop needs to know how many tiles he will have **after** a delivery today.

These are the numbers of tiles **before** the delivery.

Type of tile	Wall tiles	Floor tiles	Border tiles
Number	700	550	200

These are the items being delivered today.

<i>Delivery note</i>	
<i>Tile Shop 12 High Street ZE14 3XY</i>	
Item	Number
Wall tiles	200 tiles
Floor tiles	250 tiles
Border tiles	100 tiles

He asks a trainee to work out the numbers of each type of **tile after** the delivery.

Space for working out

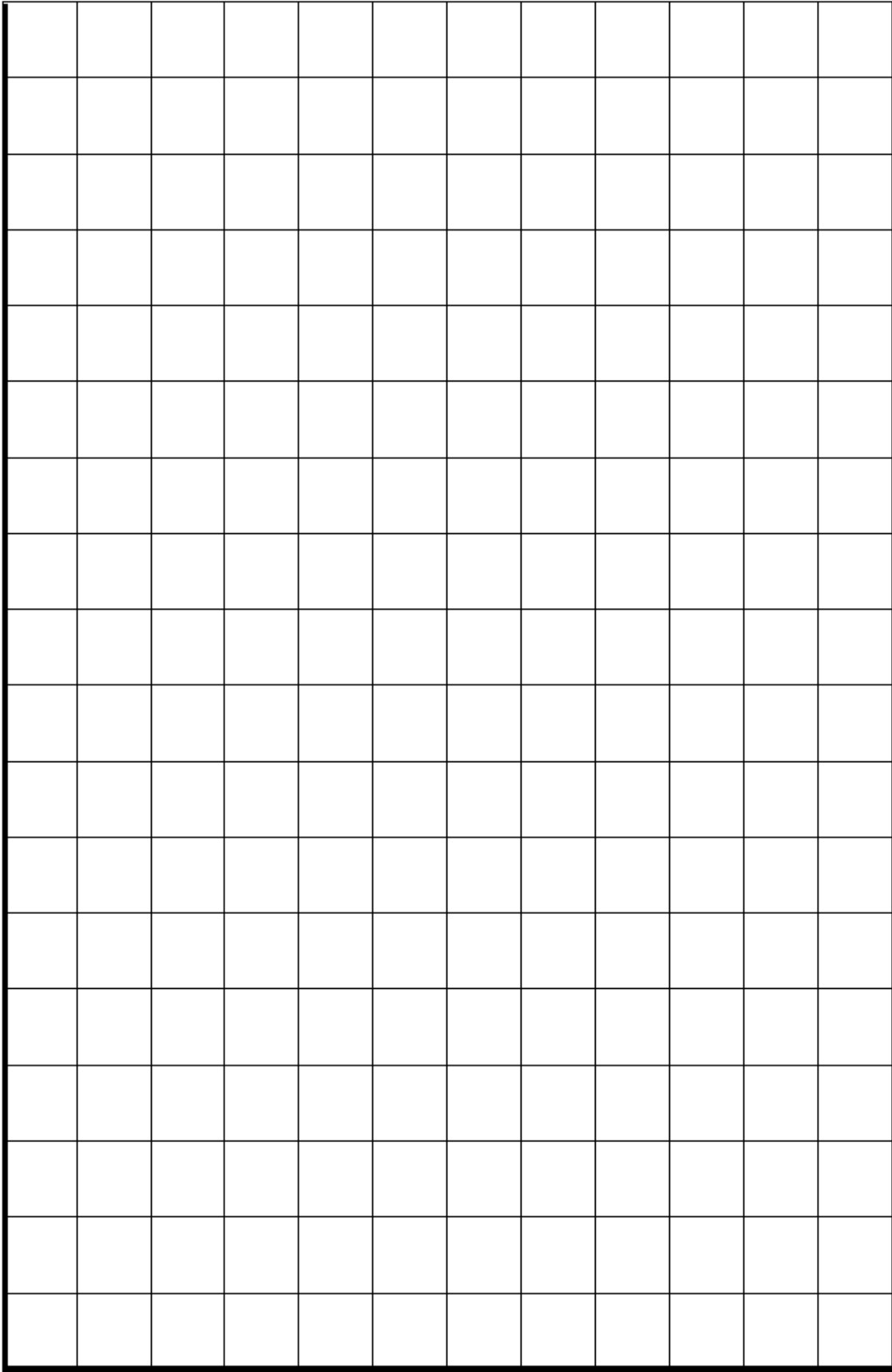
..... wall tiles

..... floor tiles

..... border tiles

The manager tells the trainee to show this information in a bar chart.

Draw the bar chart on the next page.

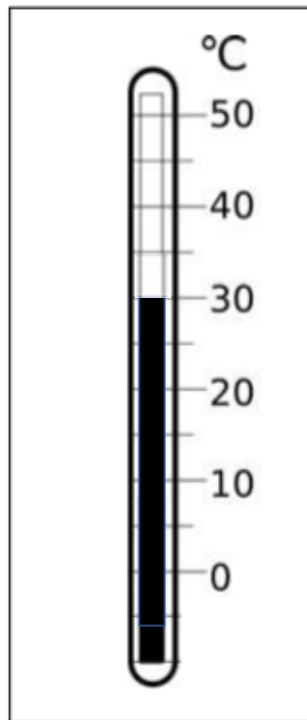


4 marks

Q9 A woman wants to store paint in her shed.
She reads the label on the paint tin.

**The temperature for storing paint should be
between 15°C and 27°C**

She checks the temperature in her shed.



thermometer in shed

Should the woman store the paint in the shed?
Give a reason for your answer. Use numbers to help you explain.

Yes/No.....

Reason

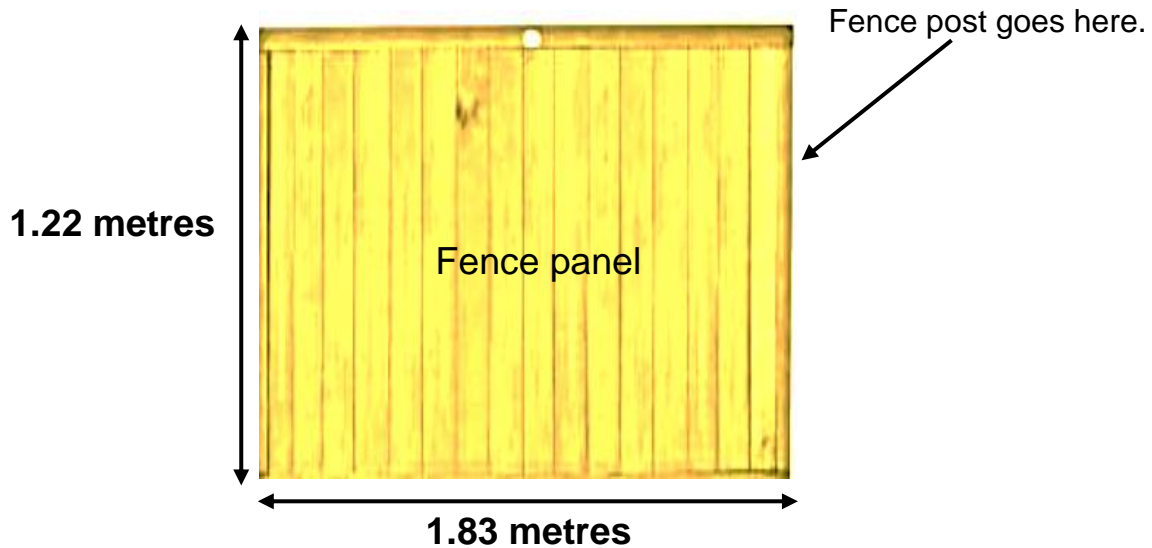
.....

3 marks

Q10 A man wants to build a fence.
He buys fence panels like the one in the picture.

He needs fence posts that are **longer** than the height of the fence panel.

He wants to buy the **cheapest** suitable posts.



A shop sells these fence posts

a Which fence post should the man buy?
Tick one.

- A** 2.63m - £5.75 each
- B** 1.82m - £4.99 each
- C** 1.2m - £4.60 each
- D** 1m - £4.25 each

2 marks

b He needs to buy 19 of the fence posts.

How much will the man pay for all of the posts he needs?

Space for working out

£.....

1 mark

c Use approximation to check your answer.

Show your check here.

1 mark

He buys 18 fence panels.
He wants to paint the panels.
Each fence panel needs **3 litres of paint**.

The shop sells tins of fence paint in these amounts.



d How many litres of paint does he need?
Choose which size(s) **and** number of tins of paint he needs to buy.

Show your working out

Amount of paint litres

Size(s) of tins	Number of tins

3 marks

Total marks: 30

End of calculator paper

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