Functional Skills Mathematics (4748) Entry 3 Sample Assessment

Candidate's paper - Non-calculator

Hairdressing and Barbering

Time allowed – 25 minutes

Marks: 10

Name: _____

City & Guilds Enrolment Number: _____
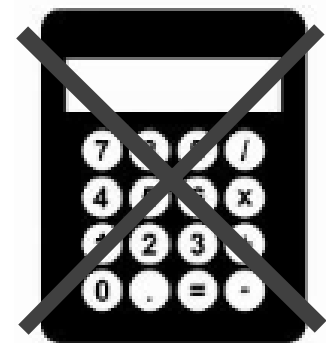
Date of registration: _____

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:
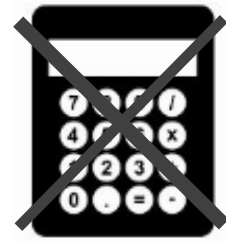I confirm that this assessment is my own work.

Candidate's signature _____

Date _____

Non-calculator paper

There are **10** marks available.

You must **not** use a calculator.

Q1 Work out **94 x 9 =**

…………………………………………………………………… **1 mark**

Q2 Write **seven hundred and forty-three** in numbers.

…………………………………………………………………… **1 mark**

Q3 What is the next number in this sequence?

44   58   72   86   ……… **1 mark**

Q4 What is **£638.46** rounded to the nearest 10p?

£……………………………………… **1 mark**

Q5 Write these weights in the correct order. Start with the **lightest**.

660 grams   1 kilogram   570 grams   760 grams
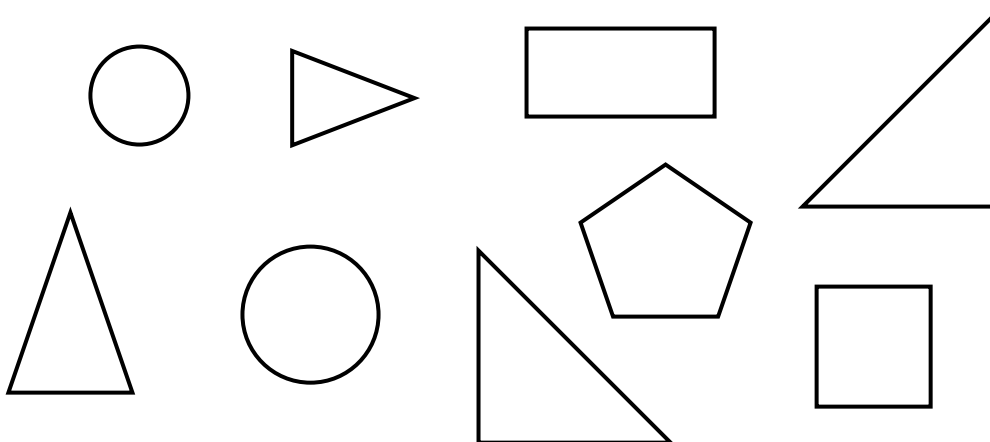
…………   …………   …………   …………….   **1 mark**

Q6 Subtract **467 from 738**

……………………………………………………   **1 mark**

Q7 **Tick** all the **right-angled** triangles.

1 mark

Q8   A barber needs to display a new range of hair conditioner.
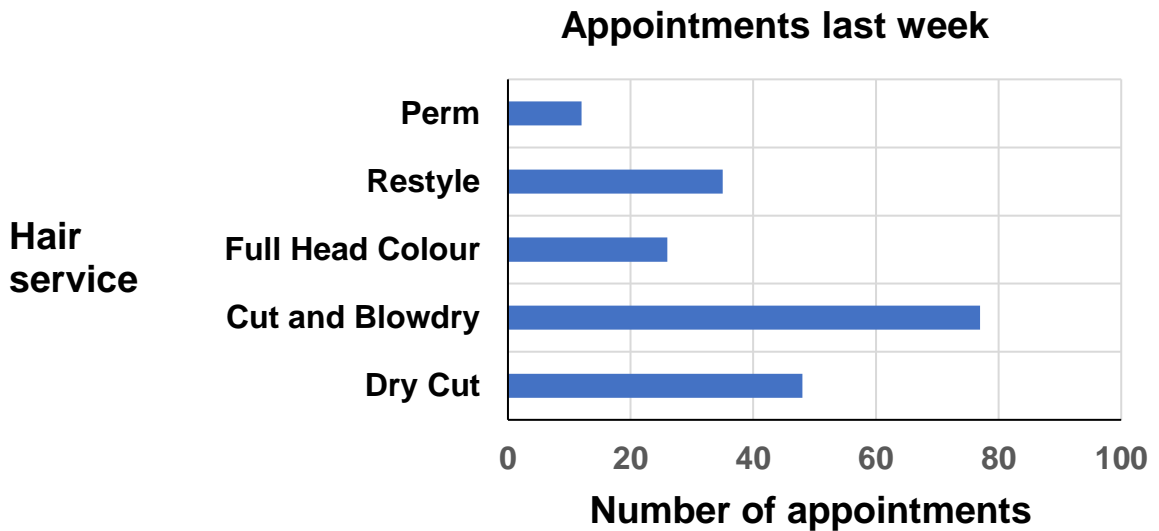
Hair conditioner is sold in different amounts.

He wants to display the conditioner in order starting with the **largest amount.**

450 ml   130 ml   1 litre   250 ml   750 ml

> Write down the order for the barber to display the conditioner.

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

Q9   This graph shows the number of appointments for different hair services at a hairdresser's last week.

Appointments last week
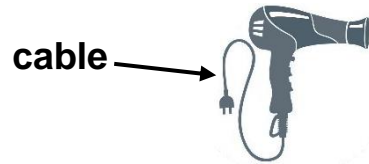
Hair service

Perm
Restyle
Full Head Colour
Cut and Blowdry
Dry Cut

0   20   40   60   80   100

Number of appointments

> Which **two** hair services had the **least** number of appointments?

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

Q10 A barber needs to order a hairdryer.

He sees these hairdryers on a website.

He wants the hairdryer with the **longest** cable.

cable ⟶

	A	B	C	D
Length of cable	2.5m	3.0m	2.75m	3.3m

Which hairdryer should the barber choose? **Tick one**.

1 mark

Total marks: 10

End of non-calculator paper.

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Functional Skills Mathematics (4748) Entry 3 Sample Assessment

Candidate's paper – Calculator allowed

Hairdressing and Barbering

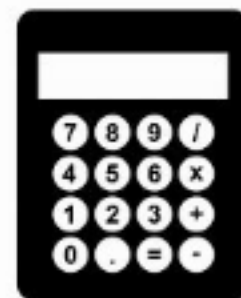## Time allowed – 65 minutes

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:
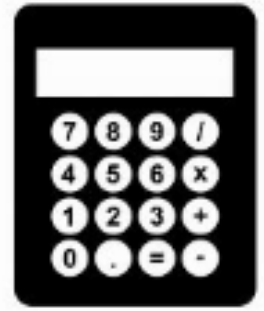I confirm that this assessment is my own work.

Candidate's signature _____

Date _____

Calculator paper

There are **30** marks available.

You may use a calculator.

Q1 Round 672 to the nearest 100

…………………   **1 mark**

Q2 What is the next number in this sequence?

19.2   20.5   21.8   ………….   **1 mark**

Q3 Which one of these diagrams below shows this arrow after a **three-quarter turn** clockwise?
Tick one.

A   B   C   D

1 mark

Q4   A woman needs to make an appointment with the hairdresser.
She wants a **cut and blow dry for long hair**.

She checks the price list.

J ✂ J
Hairdressing

Dry cut …………………………………… £17
Wash and cut ………………………….. £20
Cut and blow dry -
     Short hair ……………………… £30
     Long hair ………………………… £35
Restyle …………………………………… £38
Blow dry -
     Short hair ……………………… £20
     Long hair ………………………… £25
Wash, cut and style ……………… £28

a   What will the cost be?

.

£…………………………

1 mark

The hairdresser makes her appointment for 11:20am.
The hairdresser allows 45 minutes for a cut and blow dry.

b   What time can the hairdresser make an appointment for
the **next** customer? Use **am** or **pm** with your answer.

Space for working.

Time of next appointment………………..

2 marks

Q5 A hairdresser uses pieces of foil when highlighting a client's hair. Each piece of foil must be cut 30cm long.

foil

She asks a trainee to work out how many pieces can be cut from this roll of foil **and** how much foil will be left over.

There is 500cm of foil on this roll.

a What will the trainee tell her?
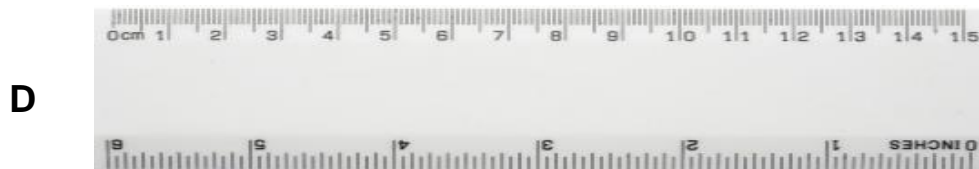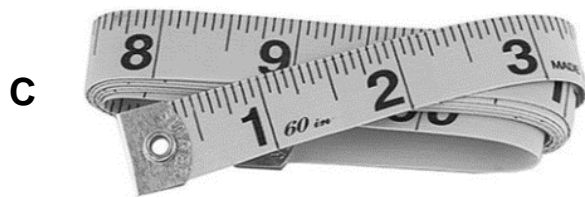
Show your working out.

Number of pieces ………………

Foil left over……………………cm

3 marks

The hairdresser tells the trainee to cut the lengths of foil.

The trainee needs to measure out the lengths of foil first.

b Which one of the following measuring instruments would be **best** for the trainee to use?
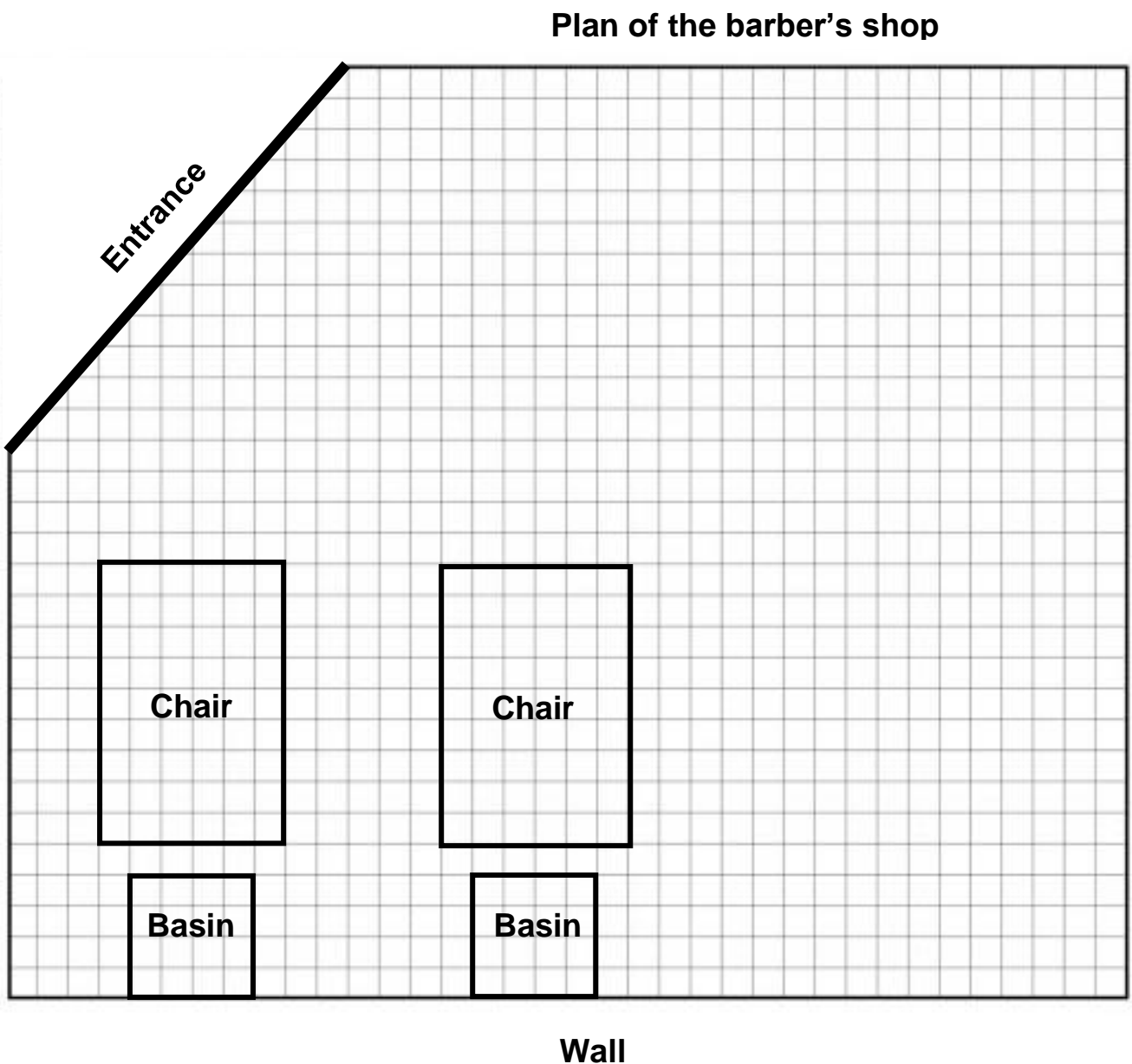**Tick one.**

A

B

C

D

1 mark

Q6   A barber is planning to open a new barber's shop.

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

He needs another chair and basin **drawn on the plan**.
They need to be drawn along the wall and the same distance apart as the other chair and basin.

Plan of the barber's shop

Entrance

Chair   Chair

Basin   Basin

Wall

Complete the plan to show where the chair and basin will go.
Put labels on your diagram.

4 marks

Q7 The barber needs to order 3 chairs and 3 basins.

The chairs cost £328.85 each.

a | What will he pay for **all** of the chairs he needs?

Show your working.

Cost of chairs £ ………………………

2 marks

b | Use approximation to check your answer.

Show your check.

1 mark

The barber checks the prices of basins on a website.

The price of this basin is £324

There is a special offer for **today** only.

All prices reduced
pay only $\frac{1}{3}$
of the price.

c   What will the cost of the basin be **today**?

Show your working out.

Cost of basin £ ……………………….

2 marks

The barber needs to order 3 basins today.

d   What will the barber pay today for the basins he needs?

Space for working out.

Cost of basins £ ……………………….

1 mark

Q8   A man has this appointment.

Appointments			
Day	**Date**	**Time**	**Service**
Sat.	*15 Feb*	*1:15pm*	*Highlights*

He arranges to meet his friend afterwards.
The highlights will take **2 hours and 30 minutes**.

a   Which of these times should he tell his friend to meet him?
Tick one.

A   **B**   **C**   **D**

14:45   15:45   15:15   14:30

1 mark

The cost of the highlights is £54.25

The man uses these vouchers towards the cost.

He pays the rest in cash.

BARBER Shop £20 Gift Voucher   BARBER Shop £15 Gift Voucher

b   What amount of cash does he pay?

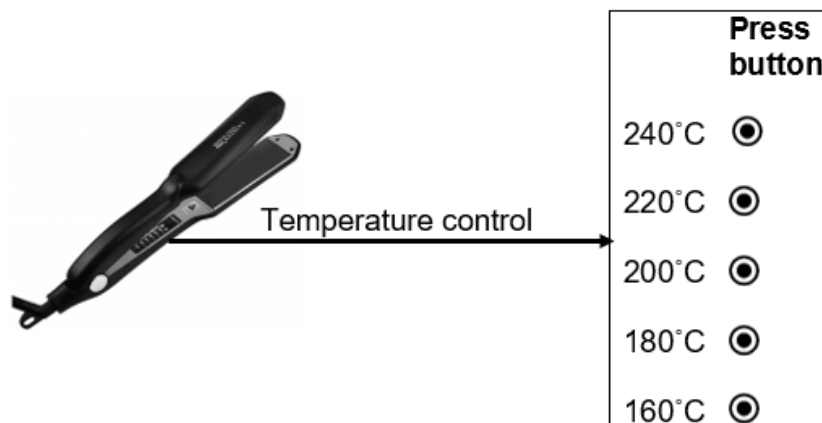Show your working.

Cash to pay £ …………………………

2 marks

Q9 A customer wants her hair straightened. She has **fine hair**.

The hair straighteners the hairdresser will use have a **temperature control**.

The hairdresser needs to check the **heat styling temperature table** to find out which button to press on the temperature control.

Hair type	Heat styling temperature
Fine hair	150˚C - 170˚C
Normal hair	160˚C - 180˚C
Curly hair	140˚C - 160˚C
Thick hair	210˚C - 240 ˚C

Which button should she press? **Give units with your answer.**
Give a reason for your answer. Use the **temperatures** to help you.

Button to press…………˚C

Reason……………………………………………………………………………………

………………………………………………………………………………………………..

………………………………………………………………………………………………..

………………………………………………………………………………………………..

4 marks

Q10 A woman has an appointment to have her hair coloured.
The hairdresser asks a trainee to measure out 50ml of colouring cream.

a   Mark on the measuring jug where the trainee should fill the jug to.

1 mark

The hairdresser applies the mixture. The customer must wait 30 minutes before the trainee can rinse her hair.

The time now is

b   What time can the trainee rinse the customer's hair?

Space for working out.

………………………..

2 marks

Total marks: 30

End of calculator paper

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