

Non-calculator Questions

City & Guilds

1.

A man working in a warehouse is only allowed to lift boxes that weigh **up to 25 kg**.



Which of these boxes is he allowed to lift?
Tick the boxes.

1 mark

2.

A farmer collects sacks of cattle feed from a supplier.

She needs to bring home as many of the sacks as she can in her truck.



Her truck holds 700kg in weight.

What number of sacks can she collect?

Space for working

A large light blue rectangular area intended for the student to show their working.

..... sacks

1 mark

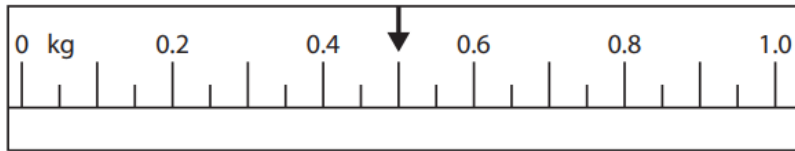
Calculator Questions

Edexcel

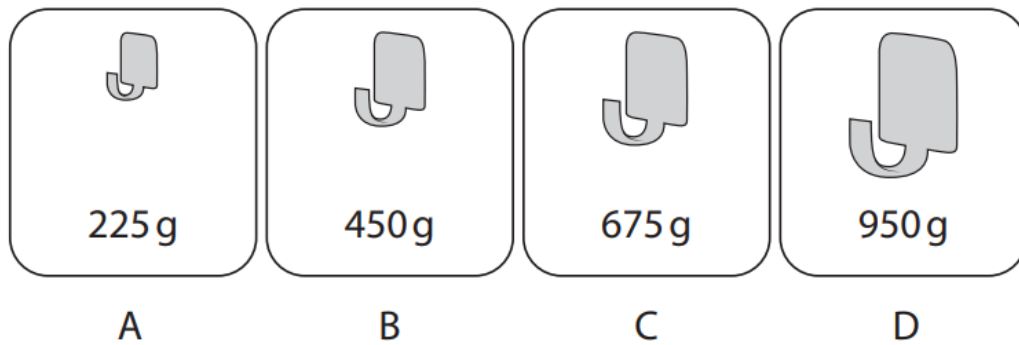
1.

Riya needs a hook to hang a picture on a wall.

She weighs the picture.



The labels show the heaviest weight each hook can hold.



Riya buys the smallest hook that will hold the picture.

Which hook does Riya buy?

Show why you think this.

(2)

Show your working and your answer in the box below.

NCFE

2.

Daniel also buys some sweets.

He buys the heaviest bag.

Which bag is the heaviest?

Tick (✓) your answer.

[1 mark]



500 g

A ()



1.2 kg

B ()



0.25 kg

C ()



750 g

D ()

3.

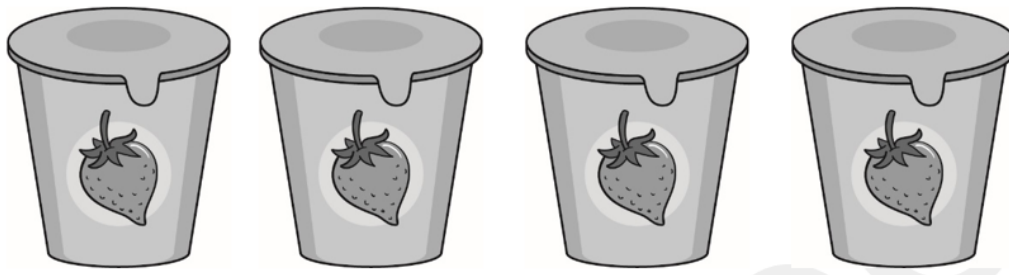
The restaurant sells fruit pots in different weights.

Alex buys the heaviest pot.

Which pot does Alex buy?

Tick (✓) your answer.

[1 mark]



0.25 kg 0.3 kg 0.45 kg 0.4 kg

A () **B ()** **C ()** **D ()**

4.

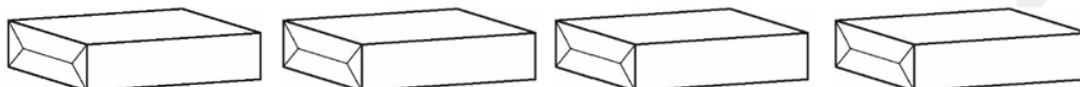
Alex needs a new packet of printer paper.

He opens the heaviest packet.

Which packet does he open?

Tick (✓) your answer.

[1 mark]



100 g **1 kg** **1000 g** **1.1 kg**

A () **B ()** **C ()** **D ()**

5.

A lemon cake and a ginger cake are left at the end of the day.

The lemon cake weighs 0.6 kg

The ginger cake weighs 590 g

Sarah thinks 590 g is heavier than 0.6 kg

Is she correct?

Give a reason for your answer.

[2 marks]

A large empty rectangular box with a thin black border, intended for the student to write their answer and reasoning. A faint watermark reading 'paper' is visible diagonally across the box.

6.

Alfie gets weighed every time he goes to see the vet.

visit 1
3.2 kg

visit 2
3.21 kg

visit 3
3.25 kg

visit 4
3.09 kg

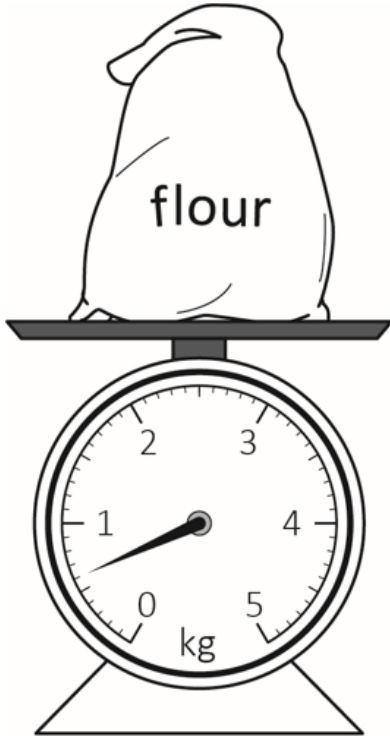
Which is the heaviest weight?

[1 mark]

7.

Jamie needs some flour.

He weighs the flour he has.



He thinks he has more than 700 g

Is he correct?

Give a reason for your answer.

[3 marks]

Blank area for the student's answer.

City & Guilds

8.

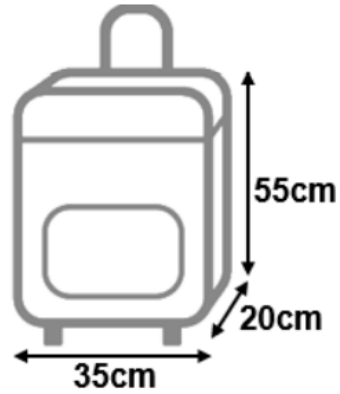
a)

An airline allows passengers to take hand luggage with these **maximum** measurements on a plane.

A passenger wants to take her bag on the plane.

Her bag measures 33cm wide and 19cm deep.

She measures the height of her bag.



height of bag comes to here

Can she take her bag on the plane?
Give a reason for your answer.
Use numbers to help you explain.

Yes/No.....

Reason

2 marks

b)

The passenger will send her suitcase with a luggage company.
She weighs her suitcase.



She checks the charges on this table

Luggage Company Charges			
Weight	Up to 24kg	Up to 32kg	Over 32kg
Price	£34.00	£37.00	£37.25 + £3.20 per additional kg

What will the luggage company charge?

Show your working

£.....

2 marks

9.

A duty-free shop has a delivery of chocolates.
The manager asks a sales assistant to display the chocolates in order of weight starting with the heaviest.



1kg



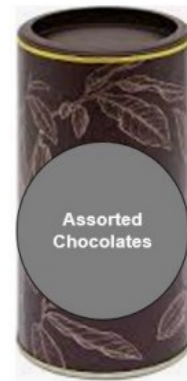
850g



369g



575g



150g

In which order should the sales assistant display the chocolates?

1 mark

10.

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 250 cups.
They have these cups.



a) How many more cups do they need?

Space for working out.

..... cups

2 marks

b)

She needs to work out how many bags of sugar she needs for 250 cups. She allows **one spoonful of sugar** for each cup.



one spoonful of sugar weighs 4 grams

How many bags of sugar should the play leader buy?

Show your working out.

..... bags

3 marks

11.a)

Meg's dog weighs **22kg**

She needs to know how much to feed her dog.

She uses this weight chart below to help her:

Dog's weight (kg)	Number of tins of food per year
10 – 14	320
15 – 19	480
20 – 24	640
25 – 29	800

There are **12 tins in each pack**

How many **packs** will Meg need to buy for a year?

(3 marks)

Show your workings.

b)

A month later, the vet weighs the dog. He has **gained 100 grams** in weight.

(2 marks)

Meg thinks he now weighs over **23kg**.

Is Meg correct? Explain your answer.

Show your workings.