

## Non-calculator Questions

NCFE

1.

Paulo also works on the refreshment counter.

He sold these items last weekend.

|                |     |
|----------------|-----|
| bags of sweets | 289 |
| drinks         | 308 |
| popcorn        | 244 |

Paulo works out how many items he has sold in total.

$$\underline{289} + \underline{308} + \underline{244} = 841$$

He rounds each number to the nearest 10 to check his answer.

Show how he does this check.

[2 marks]

$$290 + 310 + 240 = 840$$

2.

Cakes need 475 g of sugar.


Cookies need 115 g of sugar.

Amy thinks she needs 590 g of sugar in total.

She rounds 475 g and 115 g to the nearest 100 to check her total.

Show how Amy does this check.

[3 marks]



A large rectangular box containing a handwritten calculation in red ink:  $500 + 100 = 600$ . A large, faint watermark reading 'x paper' is visible diagonally across the box.

City & Guilds

3.

Round 826 to the nearest hundred.

800

1 mark

4.

What is **589** rounded to the nearest 100?

600

1 mark

5.

Round 734 to the nearest hundred.

700

1 mark

## Calculator Questions

Edexcel

1.

A water meter shows how many units of water Riya and her friends use.

Riya reads the meter when they move in.

She reads the meter again after one month.

|                   |                  |
|-------------------|------------------|
| when they move in | after one month  |
| <b>789 units</b>  | <b>820 units</b> |

**How many units of water did the friends use in one month?**

(2)

Show your working and your answer in the box below.

$$820 - 789 = 31$$

2.

**(a) Round 789 to the nearest 10**

(1)

Show your answer in the box below.

$$790$$

**(b) Use the rounded number to check your answer to Question 6**

(1)

Show your check in the box below.

$$820 - 790 = 30$$

3.

Bret needs 450 packs of paper for next week.

He has 284 packs of paper.

How many more packs of paper does Bret need?

(2)

Show your working and your answer here.

$$\begin{array}{r} 450 \\ - 284 \\ \hline 166 \end{array}$$

4.

(a) Round 284 to the nearest 10

(1)

Show your answer here.

280

(b) Use the rounded number to check your answer to question 4

(1)

Show your check here.

$$\begin{array}{r} 450 \\ - 280 \\ \hline 170 \end{array}$$

NCFE

5.

Alex has a list of how many words he writes each day.

|           |           |
|-----------|-----------|
| Monday    | 253 words |
| Tuesday   | 117 words |
| Wednesday | 226 words |

Alex thinks the total number of words is 596

He rounds each number to the nearest 10 to check his answer.

Show how he does this check.

**[3 marks]**
$$\begin{array}{r} 250 \\ + 120 \\ \hline 230 \\ + 370 \\ \hline 600 \end{array}$$

6.

Claire looks at the costs of two activities she can do while in Spain.

| Activity             | Cost (£) |
|----------------------|----------|
| hot air balloon ride | 144      |
| diving lessons       | 118      |

She thinks she will need £262 to do both.

Claire rounds each cost to the nearest 10 to check her answer.

Show how she does this check.

[3 marks]

|   |
|---|
| $\begin{array}{r} 140 \\ 120 \\ \hline 260 \end{array}$ |
|---|

7.

The vet has a list showing the numbers of animals seen over three months.

|         |     |
|---------|-----|
| month 1 | 288 |
| month 2 | 372 |
| month 3 | 129 |

She thinks the total number of animals is 789

The vet rounds each number to the nearest 100 to check her answer.

Show how she does this check.

[3 marks]

$$\begin{array}{r} 300 \\ + 400 \\ + 100 \\ \hline 800 \end{array}$$



8.

Rishi checks how many cups are recycled.

On Friday 321 cups were recycled.

On Saturday 573 cups were recycled.

Rishi works out how many cups were recycled in total.

$$321 + 573 = 894$$

He rounds each number to the nearest 10 to check his answer.

Show how he does this check.

[2 marks]

$$\begin{array}{r} 320 \\ + 570 \\ \hline 890 \end{array}$$

City &amp; Guilds

9.

Round 886 to the nearest 10

890

1 mark

10.

A farmer has 11 dairy cows.  
Each cow gives 28 litres of milk a day.

She wants to know how much milk she will get from all of the cows.



What amount of milk will she get each day?

Space for working out

$$11 \times 28 = 308$$

308 litres

1 mark

Use approximation to check your answer.

Show your check here

$$10 \times 30 = 300$$

1 mark