

Non-calculator Questions

Edexcel

1.

Prasha sees this advert for an apprenticeship.

Apprentice plumber
£5.68 per hour
37 hours per week

Prasha will be paid for 52 weeks of the year.

She estimates that she will have an annual salary of £11 500

Use estimation to check if Prasha's estimate is sensible.
You **must** show your working.

(3)

City & Guilds

2.

This table shows the change in the number of employees in different departments of a company compared to last year.

Department	Change compared to last year
Admin	-1
Design	0
Production	+4
Packing	+2
Warehouse	-1
Marketing	-3

What is the **total** change in the number of employees compared to last year?

3.

$5^4 =$

(1 mark)

4.

$672 \div 21$

(1 mark)

Open awards

5.

Calculate $273696 \div 24$.

(1 mark)

Show your calculations and/or workings out here:

Write your answer in this box.

6.

Calculate the surface area of a cube when the length of a side $a = 15\text{cm}$. (2 marks)

Surface area = $6a^2$

Show your calculations and/or workings out here:

Write your answer in this box.

Calculator Questions

Edexcel

1.

Dan throws two fair dice.

The numbers on dice A are 1 -2 3 -4 5 -6

The numbers on dice B are -1 2 -3 4 -5 6

The table shows some total scores from throwing the two dice.

		Dice A					
		1	-2	3	-4	5	-6
Dice B	-1	0	-3	2	-5		-7
	2	3		5	-2	7	
	-3	-2	-5		-7		
	4	5	2		0		
	-5	-4		-2		0	-11
	6			9	2		0

(a) Complete the table.

(1)

City & Guilds

2.

0.06 million \div 6.2 thousand =

Give your answer to two decimal places

(1 mark)

3.

Pay rates	
Working day	Rate
Monday to Friday	Normal rate
Saturday or Sunday	1¼ x normal rate

Last week, a mechanic worked $7\frac{1}{2}$ hours each day from Monday to Saturday. She did not work on Sunday.

Her normal rate of pay is £10.80 an hour.

Work out her **total** pay for last week.

Show all your working

£ _____

Use approximation to check your answer.

Do your check here

(4 marks)