

## GCSE QUESTIONS

### Q1. NON-CALCULATOR

Write 180 minutes in hours.

..... hours

(Total for question = 1 mark)

### Q2. NON-CALCULATOR

Work out the difference, in minutes, between 1 hour 25 minutes and  $1\frac{1}{4}$  hours.

..... minutes

(Total for question = 2 marks)

### Q3. NON-CALCULATOR

Change 530 centimetres into metres.

..... metres

(Total for question is 1 mark)

### Q4. NON-CALCULATOR

(a) Change 365 cm into metres.

..... m

(1)

(b) Change 2.7 kg into grams.

..... g

(1)

(Total for question = 2 marks)

### Q5. NON-CALCULATOR

The length of a line is  $x$  centimetres.

Write down an expression, in terms of  $x$ , for the length of the line in millimetres.

.....

(Total for question = 1 mark)

**Q6. NON-CALCULATOR**

Prasha has five blocks of wood.

The total weight of all five blocks of wood is 3 kilograms.  
4 of the blocks of wood each have a weight of 650 grams.  
Work out the weight, in grams, of the other block of wood.

..... grams

**(Total for question = 3 marks)**

**Q7. NON-CALCULATOR**

Carpet tiles are going to be used to cover a floor.

The floor is a 1200mm by 1000mm rectangle.  
Each carpet tile is a 40cm by 30cm rectangle.

Exactly 10 carpet tiles can be used to cover the floor completely. Show in a labelled sketch how this can be done.

**(Total for question = 3 marks)**

**Q8. NON-CALCULATOR**

An American airline has a maximum size for bags on its planes.  
The diagram shows the maximum dimensions.

Chris has a bag.

It has  
 height 50 cm  
 width 40 cm  
 depth 20 cm

1 inch = 2.54 cm

Can Chris take this bag on the plane? You must show your working.



(Total for question is 3 marks)

**Q9. NON-CALCULATOR**

A car travels for 18 minutes at an average speed of 72 km/h.

(a) How far will the car travel in these 18 minutes?

..... km  
(2)

David says,

"72 kilometres per hour is faster than 20 metres per second."

(b) Is David correct? You must show how you get your answer.

(2)  
(Total for question = 4 marks)