A screenshot of a cell phone

Description automatically generated

**Metric conversions**

**Instructions**

* Use **black** ink or ball-point pen.
  + **Fill in the boxes** at the top of this page with your name,  
    centre number and candidate number.
* Answer **all** questions.
* Answer the questions in the spaces provided  
  *– there may be more space than you need.*
* You must **show all your working.**
* Diagrams are **NOT** accurately drawn, unless otherwise indicated.
* If your calculator does not have a *π* button, take the value of *π* to be3.142

unless the question instructs otherwise.

**Information**

* The total mark for this paper is **15**. There are **10** questions.
* Questions have been arranged in an ascending order of mean difficulty, as found by all students in the June 2017–November 2019 examinations.
* The marks for **each** question are shown in brackets  
  *– use this as a guide as to how much time to spend on each question.*

**Advice**

1. Read each question carefully before you start to answer it.
2. Keep an eye on the time.
3. Try to answer every question.
4. Check your answers if you have time at the end.

**1** Change 1.5 kilometres to metres.

....................................................... metres

**(Total for Question 1 is 1 mark)**

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**2** Change 4 kilometres into metres.

.......................................................metres

**(Total for Question 2 is 1 mark)**

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**3** Change 1756 grams to kilograms.

.......................................................kg

**(Total for Question 3 is 1 mark)**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**4** Change 350 centimetres into metres.

....................................................... metres

**(Total for Question 4 is 1 mark)**

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**5** (*a*)Change 365 cm into metres.

....................................................... m

**(1)**

(*b*)Change 2.7 kg into grams.

....................................................... g

**(1)**

**(Total for Question 5 is 2 marks)**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**6** (*a*)Change 35 cm to mm.

...................................................... mm

(**1**)

(*b*)Change 7700 millilitres to litres.

...................................................... litres

(**1**)

(*c*)Change 0.32 kilograms to grams.

...................................................... grams

(**1**)

(**Total for Question 5 is 3 marks**)

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**7** (*a*)Change 4560 g into kg.

.......................................................kg

**(1)**

(*b*)Change 7.3 m into mm.

.......................................................mm

**(1)**

**(Total for Question 6 is 2 marks)**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**8** Write 37 cm3 in mm3

.......................................................mm3

**(Total for Question 7 is 1 mark)**

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**9** Change 4500 mm3 into cm3.

......................................... cm3

**(Total for Question 16 is 2 marks)**

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**10** 1 kg = 2.2 pounds

Change 319 pounds to kg.

....................................................... kg

**(Total for Question 6 is 2 marks)**

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**TOTAL MARKS FOR PAPER: 15**