Name	Date

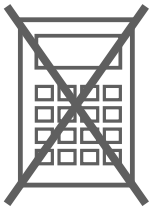
GCSE Mathematics 9-1

Metric Conversions

(Non-Calculator)

Exam-Style Topic Paper	Total Marks
Time: 51 minutes	**/ 45**

Instructions



- Use black ink or ball-point pen.
- Fill in the boxes at the top of this page with your name and date 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.
- Calculators may **not** be used.

Information

- 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

- Read each question carefully before you start to answer it.
- Try to answer every question.
- Check your answers if you have time at the end.

1 Change 4 m into centimetres.

..... cm

[1 mark]

2 Change 7 cm into millimetres.

..... mm

[1 mark]

3 Change 3 km into metres.

..... m

[1 mark]

4 Change 5 kg into grams.

..... g

[1 mark]

5 Change 2 litres into millilitres.

..... ml

[1 mark]

6 Change 650 cm into metres.

..... m

[1 mark]

7 Change 85 mm into centimetres.

..... cm

[1 mark]

8 Change 4200 g into kilograms.

..... kg

[1 mark]

9 Change 750 ml into litres.

..... litres

[1 mark]

10 Change 9500 m into kilometres.

..... km

[1 mark]

11 Change 3.6 m into centimetres.

..... cm

[1 mark]

12 Change 0.8 kg into grams.

..... g

[1 mark]

13 Change 2.45 litres into millilitres.

..... ml

[1 mark]

14 Change 6 tonnes into kilograms.

..... kg

[1 mark]

15 Change 4 litres into centilitres.

..... cl

[1 mark]

---

16 Change 0.3 cm into millimetres.

..... mm

[1 mark]

---

17 Change 1.2 km into centimetres.

..... cm

[2 marks]

---

18 Change 45 000 mm into metres.

..... m

[1 mark]

---

19 Write 3 kg 250 g in grams.

..... g

[1 mark]

---

20 Write 2 m 7 cm in centimetres.

..... cm

[1 mark]

---

21 Write these masses in order, starting with the smallest.

1.2 kg 1050 g 1.25 kg 990 g

.....

[2 marks]

22 Fill in the gaps.

(a) 6 cm = ... m

[1 mark]

(b) 250 g = ... kg

[1 mark]

23 Work out 1.6 m + 45 cm
Give your answer in centimetres.

..... cm

[2 marks]

24 Riyah is baking a cake.
The recipe needs 0.45 kg of gluten-free flour.
Riyah has 380 g of gluten-free flour.
Does Riyah have enough gluten-free flour?
You must show your working.

.....

.....

[2 marks]

25 A jug holds 1.5 litres of orange juice.
Each glass holds 250 ml.
How many glasses can be filled from the jug?

..... glasses

[2 marks]

26 Leo has a piece of ribbon 3 m long.
He cuts as many pieces of length 40 cm as he can from the ribbon.

(a) How many 40 cm pieces does Leo cut?

..... pieces

[2 marks]

(b) How much ribbon is left over?
Give your answer in centimetres.

..... cm

[1 mark]

27 Akshara walks 850 m from her home to school.
After school she walks 1.4 km to the library.
She then walks 2350 m from the library back home.
How far does Akshara walk altogether?
Give your answer in kilometres.

..... km

[2 marks]

28 A lift can safely carry a maximum of 0.6 tonnes.
Five people want to use the lift with a trolley.
The people weigh 72 kg, 85 kg, 64 kg, 90 kg and 78 kg.
The trolley weighs 150 kg.
Can they all use the lift safely at the same time?
You must show your working.

.....

.....

[3 marks]

29 A bottle contains 0.3 litres of medicine.
Sam takes 5 ml of the medicine twice a day.
How many days will the bottle of medicine last?

..... days

[3 marks]

30 Jacob is making lemonade for a party.
For each jug of lemonade he needs 1.2 litres of water and 150 g of sugar.
He wants to make 5 jugs of lemonade.
Jacob has a 5 litre bottle of water and a 1 kg bag of sugar.
Does Jacob have enough water and enough sugar?
You must show your working.

[3 marks]