# 7.8 Measurement: Metric and Imperial Units: 2-hour Pack

Total Marks

Calculators not allowed · about 120 minutes

Name: _____ Date: ____ / ____ / _____

**Answer ALL questions. Show all your working.**

**1** A bag weighs 3.7 kg. How many kg are there in 4 bags?

Answer: ___ kg

**(2)**

**2** Which is bigger, 9.9 km or 9,631 m?

Answer: ___

**(1)**

**3** Convert 3,520 m to km.

Answer: ___ km

**(1)**

**4** Convert 15,000 g to kg.

Answer: ___ kg

**(1)**


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**5** Which is bigger, 2.3 km or 2,386 m?

Answer: ___

**(2)**

---

**6** Convert 83,700 g to kg.

Answer: ___ kg

**(1)**

---

**7** £1 = 4 dollars.

How many dollars do you get for £35?

Answer: ___ dollars

**(1)**

---

**8** Write 3:00 pm as a 24-hour clock time.

Answer: ___

**(1)**

---

**9** Each lap is 6.4 km. Isla runs 9 laps. How far does Isla run?

Answer: ___ km

**(2)**


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**10** A scale in ml has big marks every 10 ml, with 5 equal small divisions between each big mark. The first big mark is 10. The pointer is 4 small divisions after the second big mark.

What is the reading?

Answer: ___ ml

**(1)**

---

**11** Use 1 foot = 30 cm.

A strip of card is 180 cm long. How long is it in feet?

Answer: ___ feet

**(2)**

---

**12** Write 10:20 pm as a 24-hour clock time.

Answer: ___

**(1)**

---

**13** Write £2.70 in pence.

Answer: ___ p

**(1)**

---

**14** Convert 69.4 cm to mm.

Answer: ___ mm

**(1)**


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**15** Use 1 pint = 570 ml.

A jug holds 8 pints of water. How much is that in ml?

Answer: ___ ml

**(1)**

---

**16** A plank is 3 metres. How many metres are there in 9 planks?

Answer: ___ metres

**(2)**

---

**17** A plank is 2.3 metres. How many metres are there in 9 planks?

Answer: ___ metres

**(2)**

---

**18** Convert 15 cm to mm.

Answer: ___ mm

**(1)**


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**19** Use 1 pint = 570 ml.

A jug holds 3,990 ml of water. How many pints is that?

Answer: ___ pints

**(2)**

---

**20** A scale in ml has big marks every 200 ml, with 5 equal small divisions between each big mark. The first big mark is 0. The pointer is 3 small divisions after the second big mark.

What is the reading?

Answer: ___ ml

**(2)**

---

**21** How many days are there in 4 weeks and 3 days?

Answer: ___

**(1)**

---

**22** £1 = 6 euros.

A toy costs 204 euros. How much is that in pounds?

Answer: £___

**(1)**


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**23** £1 = 3 zlotys.

A toy costs 90 zlotys. How much is that in pounds?

Answer: £___

**(1)**

---

**24** Convert 84.7 km to m.

Answer: ___ m

**(1)**

---

**25** £1 = 6 dollars.

How many dollars do you get for £14?

Answer: ___ dollars

**(1)**

---

**26** Use 1 inch = 2.5 cm.

A strip of card is 10 inches long. How long is it in cm?

Answer: ___ cm

**(2)**


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**27** How many seconds are there in 3 minutes?

Answer: ___

**(1)**

---

**28** A bag weighs 1.7 kg. How many kg are there in 6 bags?

Answer: ___ kg

**(2)**

---

**29** £1 = 6 euros.

How many euros do you get for £49?

Answer: ___ euros

**(1)**

---

**30** Convert these measurements of capacity.

**(a)** 750 millilitres to litres. **(1)**

**(b)** 2.4 litres to millilitres. **(1)**

---

**31** A plank is 6.4 metres. How many metres are there in 3 planks?

Answer: ___ metres

**(2)**


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**32** Convert 88.3 kg to g.

Answer: ___ g

**(1)**

---

**33** Convert 852 mm to cm.

Answer: ___ cm

**(1)**

---

**34** Which is bigger, 2.6 kg or 2,820 g?

Answer: ___

**(1)**

---

**35** Which is bigger, 1.5 litres or 1,366 ml?

Answer: ___

**(2)**

---

**36** Use 1 pint = 570 ml.

A jug holds 5,700 ml of water. How many pints is that?

Answer: ___ pints

**(2)**


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**37** Use 1 foot = 30 cm.

A strip of card is 210 cm long. How long is it in feet?

Answer: ___ feet

**(1)**

---

**38** £1 = 8 zlotys.

A toy costs 400 zlotys. How much is that in pounds?

Answer: £___

**(1)**

---

**39** Use 1 foot = 30 cm.

A strip of card is 60 cm long. How long is it in feet?

Answer: ___ feet

**(2)**

---

**40** A container holds 3.6 litres of paint. Sam uses 450 millilitres on one wall. How many full walls can he paint with the container?

**(2)**


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**41** A bottle holds 2.8 litres. How many litres are there in 6 bottles?

Answer: ___ litres

**(1)**

---

**42** Which is bigger, 6.9 m or 410 cm?

Answer: ___

**(2)**

---

**43** A plank is 5.9 metres. How many metres are there in 9 planks?

Answer: ___ metres

**(2)**

---

**44** Convert 30,000 ml to litres.

Answer: ___ litres

**(1)**

---

**45** Write 14:30 using am or pm.

Answer: ___

**(1)**


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**46** Which is bigger, 3.3 kg or 3,511 g?

Answer: ___

(2)

**47** A plank is 4.5 metres. How many metres are there in 5 planks?

Answer: ___ metres

(1)

**48** Use 1 pint = 570 ml.

A jug holds 12 pints of water. How much is that in ml?

Answer: ___ ml

(2)

**49** Each lap is 4.2 km. Poppy runs 5 laps. How far does Poppy run?

Answer: ___ km

(2)


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**50** Use 1 pint = 570 ml.

A jug holds 9 pints of water. How much is that in ml?

Answer: ___ ml

**(2)**

---

**51** Write 183p in pounds.

Answer: £___

**(1)**

---

**52** Convert 43.8 litres to ml.

Answer: ___ ml

**(1)**

---

**53** Each lap is 5.1 km. Hassan runs 9 laps. How far does Hassan run?

Answer: ___ km

**(2)**

---

**54** Which is bigger, 6.4 litres or 6,288 ml?

Answer: ___

**(1)**


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**55** Which is bigger, 5.8 kg or 5,582 g?

Answer: ___

**(2)**

---

**56** Convert 54.7 m to cm.

Answer: ___ cm

**(1)**

---

**57** Convert 5 kilometres into metres.

**(1)**

---

**58** Convert 2,600 cm to m.

Answer: ___ m

**(1)**

---

**59** A ribbon is 8 m long. Ella cuts it into pieces that are each 25 cm long.

How many pieces does Ella cut?

Answer: ___

**(2)**


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**60** £1 = 3 francs.

A toy costs 51 francs. How much is that in pounds?

Answer: £___

**(1)**

---

**61** Use 1 inch = 2.5 cm.

A strip of card is 30 cm long. How long is it in inches?

Answer: ___ inches

**(1)**

---

**62** £1 = 10 francs.

A toy costs 520 francs. How much is that in pounds?

Answer: £___

**(1)**

---

**63** A jug holds 1 litres of juice. Layla pours it into glasses that each hold 125 ml.

How many glasses can be filled?

Answer: ___

**(2)**


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**64** Hassan buys a bag of potatoes weighing 4.3 kg and a bag of carrots weighing 887 g.

What is the total mass in kg?

Answer: ___ kg

**(2)**

---

**65** Write £2.19 in pence.

Answer: ___ p

**(1)**

---

**66** A ribbon is 6 m long. Poppy cuts it into pieces that are each 20 cm long.

How many pieces does Poppy cut?

Answer: ___

**(2)**


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# Mark scheme · 7.8 Measurement: Metric and Imperial Units: 2-hour Pack

A correct answer earns full marks unless the question asks for working, a method, proof or explanation.

### Question 1

multiplication seen — M1
14.8 kg cao — A1
Answer: **14.8 kg**

### Question 2

9.9 km cao — B1
Answer: **9.9 km**

### Question 3

3.52 km cao — B1
Answer: **3.52 km**

### Question 4

15 kg cao — B1
Answer: **15 kg**

### Question 5

converts to the same unit — M1
2,386 m cao — A1
Answer: **2,386 m**

### Question 6

83.7 kg cao — B1
Answer: **83.7 kg**

### Question 7

140 dollars cao — B1
Answer: **140 dollars**

### Question 8

15:00 cao — B1
Answer: **15:00**

### Question 9

multiplication seen — M1
57.6 km cao — A1
Answer: **57.6 km**

### Question 10

28 ml cao — B1
Answer: **28 ml**

### Question 11

divides by the conversion — M1
6 cao — A1
Answer: **6**

### Question 12

22:20 cao — B1
Answer: **22:20**

### Question 13

270p cao — B1
Answer: **270p**

### Question 14

694 mm cao — B1
Answer: **694 mm**

### Question 15

4,560 ml cao — B1
Answer: **4,560 ml**

### Question 16

multiplication seen — M1
27 metres cao — A1
Answer: **27 metres**

### Question 17

multiplication seen — M1
20.7 metres cao — A1
Answer: **20.7 metres**

### Question 18

150 mm cao — B1
Answer: **150 mm**

### Question 19

divides by the conversion — M1
7 cao — A1
Answer: **7**

### Question 20

size of a small division found — M1
320 ml cao — A1
Answer: **320 ml**

### Question 21

31 cao — B1
Answer: **31**

### Question 22

£34 cao — B1
Answer: **£34**

### Question 23

£30 cao — B1
Answer: **£30**

### Question 24

84,700 m cao — B1
Answer: **84,700 m**

### Question 25

84 dollars cao — B1
Answer: **84 dollars**


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## Question 26

multiplies by the conversion **M1**
25 cm cao **A1**
Answer: **25 cm**

## Question 27

180 cao **B1**
Answer: **180**

## Question 28

multiplication seen **M1**
10.2 kg cao **A1**
Answer: **10.2 kg**

## Question 29

294 euros cao **B1**
Answer: **294 euros**

## Question 30

(a) 0.75 L cao **B1**
(a) Answer: **0.75**
(b) 2400 ml cao **B1**
(b) Answer: **2400**

## Question 31

multiplication seen **M1**
19.2 metres cao **A1**
Answer: **19.2 metres**

## Question 32

88,300 g cao **B1**
Answer: **88,300 g**

## Question 33

85.2 cm cao **B1**
Answer: **85.2 cm**

## Question 34

2,820 g cao **B1**
Answer: **2,820 g**

## Question 35

converts to the same unit **M1**
1.5 litres cao **A1**
Answer: **1.5 litres**

## Question 36

divides by the conversion **M1**
10 cao **A1**
Answer: **10**

## Question 37

7 cao **B1**
Answer: **7**

## Question 38

£50 cao **B1**
Answer: **£50**

## Question 39

divides by the conversion **M1**
2 cao **A1**
Answer: **2**

## Question 40

Convert to same units and divide: 3600/450 = 8 seen **M1**
8 cao **B1**
Answer: **8**

## Question 41

16.8 litres cao **B1**
Answer: **16.8 litres**

## Question 42

converts to the same unit **M1**
6.9 m cao **A1**
Answer: **6.9 m**

## Question 43

multiplication seen **M1**
53.1 metres cao **A1**
Answer: **53.1 metres**

## Question 44

30 litres cao **B1**
Answer: **30 litres**

## Question 45

2:30 pm cao **B1**
Answer: **2:30 pm**

## Question 46

converts to the same unit **M1**
3,511 g cao **A1**
Answer: **3,511 g**

## Question 47

22.5 metres cao **B1**
Answer: **22.5 metres**

## Question 48

multiplies by the conversion **M1**
6,840 ml cao **A1**
Answer: **6,840 ml**

## Question 49

multiplication seen **M1**
21 km cao **A1**
Answer: **21 km**

## Question 50

multiplies by the conversion **M1**
5,130 ml cao **A1**
Answer: **5,130 ml**

## Question 51

£1.83 cao **B1**
Answer: **£1.83**


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## Question 52

43,800 ml cao **B1**

Answer: **43,800 ml**

## Question 53

multiplication seen **M1**

45.9 km cao **A1**

Answer: **45.9 km**

## Question 54

6.4 litres cao **B1**

Answer: **6.4 litres**

## Question 55

converts to the same unit **M1**

5.8 kg cao **A1**

Answer: **5.8 kg**

## Question 56

5,470 cm cao **B1**

Answer: **5,470 cm**

## Question 57

5000 m cao **B1**

Answer: **5000**

## Question 58

26 m cao **B1**

Answer: **26 m**

## Question 59

8 m = 800 cm seen **M1**

32 cao **A1**

Answer: **32**

## Question 60

£17 cao **B1**

Answer: **£17**

## Question 61

12 cao **B1**

Answer: **12**

## Question 62

£52 cao **B1**

Answer: **£52**

## Question 63

1 litres = 1,000 ml seen **M1**

8 cao **A1**

Answer: **8**

## Question 64

887 g = 0.887 kg seen **M1**

5.187 kg cao **A1**

Answer: **5.187 kg**

## Question 65

219p cao **B1**

Answer: **219p**

## Question 66

6 m = 600 cm seen **M1**

30 cao **A1**

Answer: **30**


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