7.5 Measurement: Converting Units: 2-hour Pack

Calculators not allowed · about 120 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Uma buys a bag of potatoes weighing 3 kg and a bag of carrots weighing 449 g.

What is the total mass in kg?

Answer: ___ kg

(2)

2 Write 6 kilometres in metres.

(1)

3 How many centimetres are there in 3.2 metres?

(1)

4 Convert 4500 metres to kilometres.

(1)

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5 Write <, > or = in each box.

(a) 2 km ___ 1900 m **(1)**

(b) 350 cm ___ 3.5 m **(1)**

---

6 Write 3 m 25 cm in centimetres.

(1)

---

7 A rope is 5 m long. Ben cuts off 130 cm. How long is the piece of rope that is left? Give your answer in centimetres.

(2)

---

8 Convert 18 km to m.

Answer: ___ m

(1)

---

9 Convert 45 millimetres to centimetres.

(1)

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10 Which is bigger, 5.1 litres or 5,475 ml?

Answer: ___

(2)

11 How many days are there in 9 weeks and 2 days?

Answer: ___

(1)

12 Which is bigger, 3.6 kg or 3,917 g?

Answer: ___

(1)

13 Convert 2,800 cm to m.

Answer: ___ m

(1)

14 A ribbon is 5 m long. Hana cuts it into pieces that are each 40 cm long.

How many pieces does Hana cut?

Answer: ___

(2)

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15 Convert 26 litres to ml.

Answer: ___ ml

(1)

---

16 A jug holds 1.25 litres of juice. Isla pours it into glasses that each hold 125 ml.

How many glasses can be filled?

Answer: ___

(2)

---

17 Which is bigger, 2.5 m or 304 cm?

Answer: ___

(2)

---

18 5 hours 45 minutes is how many minutes?

Answer: ___ minutes

(1)

---

19 Write 750 grams as kilograms.

(1)

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20 Which is bigger, 9.9 kg or 9,956 g?

Answer: ___

(2)

21 Write 4:45 am as a 24-hour clock time.

Answer: ___

(1)

22 Write 13:25 using am or pm.

Answer: ___

(1)

23 Convert 29 kg to g.

Answer: ___ g

(1)

24 Which is bigger, 4.5 m or 316 cm?

Answer: ___

(2)

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25 Convert 3 m to mm.

Answer: ___ mm

(1)

---

26 Convert 4,000 g to kg.

Answer: ___ kg

(1)

---

27 Convert 23,000 g to kg.

Answer: ___ kg

(1)

---

28 Convert 2.3 kilograms into grams.

(1)

---

29 Write 2:50 pm as a 24-hour clock time.

Answer: ___

(1)

---

30 Which is bigger, 2.4 km or 2,082 m?

Answer: ___

(1)

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31 Convert 16,000 mm to m.

Answer: ___ m

(1)

---

32 A scale in ml has big marks every 20 ml, with 5 equal small divisions between each big mark. The first big mark is 20. The pointer is 4 small divisions after the second big mark.

What is the reading?

Answer: ___ ml

(2)

---

33 Write 3200p in pounds.

Answer: £___

(1)

---

34 How many seconds are there in 2 minutes and 30 seconds?

Answer: ___

(1)

---

35 Convert 18,000 g to kg.

Answer: ___ kg

(1)

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36 Which is bigger, 9.6 m or 1,049 cm?

Answer: ___

(1)

37 How many litres are there in 1250 millilitres?

(1)

38 Convert 7,000 g to kg.

Answer: ___ kg

(1)

39 Write 1700p in pounds.

Answer: £___

(1)

40 Which is bigger, 9.2 km or 9,237 m?

Answer: ___

(2)

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41 Convert 15,000 m to km.

Answer: ___ km

(1)

---

42 Write £17 in pence.

Answer: ___ p

(1)

---

43 A jug holds 3.75 litres of juice. Willow pours it into glasses that each hold 125 ml.

How many glasses can be filled?

Answer: ___

(2)

---

44 Write 1:05 am as a 24-hour clock time.

Answer: ___

(1)

---

45 How many minutes are there in 2 hours and 45 minutes?

Answer: ___

(1)

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46 A rectangle is 34 cm long and 22 cm wide.

What is its perimeter?

Answer: ___ cm

(2)

---

47 Write 0.6 litres in millilitres.

(1)

---

48 A rectangle is 23 km long and 11 km wide.

What is its perimeter?

Answer: ___ km

(2)

---

49 Which is bigger, 1.1 km or 1,204 m?

Answer: ___

(2)

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50 Ravi buys a bag of potatoes weighing 2.9 kg and a bag of carrots weighing 700 g.

What is the total mass in kg?

Answer: ___ kg

(2)

---

51 Write £38 in pence.

Answer: ___ p

(1)

---

52 Convert 40 kg to g.

Answer: ___ g

(1)

---

53 Which is bigger, 6.4 km or 6,671 m?

Answer: ___

(2)

---

54 Which is bigger, 3.9 km or 3,568 m?

Answer: ___

(2)

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55 How many minutes are there in 6 hours?

Answer: ___

(1)

---

56 Which is bigger, 7.6 m or 558 cm?

Answer: ___

(2)

---

57 Which is bigger, 6.6 kg or 6,284 g?

Answer: ___

(2)

---

58 A scale in ml has big marks every 25 ml, with 5 equal small divisions between each big mark. The first big mark is 100. The pointer is 3 small divisions after the second big mark.

What is the reading?

Answer: ___ ml

(2)

---

59 Which is bigger, 5.3 km or 5,270 m?

Answer: ___

(1)

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60 Convert 29 m to cm.

Answer: ___ cm

(1)

---

61 A jug holds 2.25 litres of juice. Jade pours it into glasses that each hold 50 ml.

How many glasses can be filled?

Answer: ___

(2)

---

62 Convert 35,000 m to km.

Answer: ___ km

(1)

---

63 Write 800p in pounds.

Answer: £___

(1)

---

64 Sophie buys three bags of sugar. Each bag weighs 1.5 kg. Work out the total mass in grams.

(2)

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65 A rectangle is 21 mm long and 11 mm wide.

What is its perimeter?

Answer: ___ mm

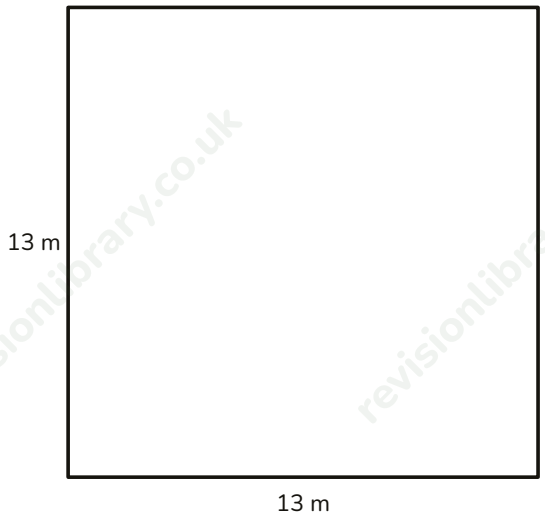
(2)

---

66 A square has sides of length 13 m.

What is its perimeter?

Answer: ___ m



(1)

---

67 Convert 2 m to cm.

Answer: ___ cm

(1)

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68 Convert 20 mm to cm.

Answer: ___ cm

(1)

---

69 Convert 24,000 m to km.

Answer: ___ km

(1)

---

70 A scale in ml has big marks every 200 ml, with 4 equal small divisions between each big mark. The first big mark is 1200. The pointer is 1 small division after the second big mark.

What is the reading?

Answer: ___ ml

(1)

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Mark scheme · 7.5 Measurement: Converting Units: 2-hour Pack

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

Question 1

449 g = 0.449 kg seen — M1
3.449 kg cao — A1
Answer: **3.449 kg**

Question 2

6000 m cao — B1
Answer: **6000 m**

Question 3

320 cm cao — B1
Answer: **320 cm**

Question 4

4.5 km cao — B1
Answer: **4.5 km**

Question 5

(a) > cao (2 km = 2000 m) — B1
(a) Answer: **2 km > 1900 m**
(b) = cao (3.5 m = 350 cm) — B1
(b) Answer: **350 cm = 3.5 m**

Question 6

325 cm cao — B1
Answer: **325 cm**

Question 7

converts 5 m to 500 cm and subtracts 130 cm (500 - 130) seen — M1
370 cm cao — A1
Answer: **370 cm**

Question 8

18,000 m cao — B1
Answer: **18,000 m**

Question 9

4.5 cm cao — B1
Answer: **4.5 cm**

Question 10

converts to the same unit — M1
5,475 ml cao — A1
Answer: **5,475 ml**

Question 11

65 cao — B1
Answer: **65**

Question 12

3,917 g cao — B1
Answer: **3,917 g**

Question 13

28 m cao — B1
Answer: **28 m**

Question 14

5 m = 500 cm seen — M1
12 cao — A1
Answer: **12**

Question 15

26,000 ml cao — B1
Answer: **26,000 ml**

Question 16

1.25 litres = 1,250 ml seen — M1
10 cao — A1
Answer: **10**

Question 17

converts to the same unit — M1
304 cm cao — A1
Answer: **304 cm**

Question 18

345 minutes cao — B1
Answer: **345 minutes**

Question 19

0.75 kg cao — B1
Answer: **0.75 kg**

Question 20

converts to the same unit — M1
9,956 g cao — A1
Answer: **9,956 g**

Question 21

04:45 cao — B1
Answer: **04:45**

Question 22

1:25 pm cao — B1
Answer: **1:25 pm**

Question 23

29,000 g cao — B1
Answer: **29,000 g**

Question 24

converts to the same unit — M1
4.5 m cao — A1
Answer: **4.5 m**

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Question 25

3,000 mm cao **B1**

Answer: **3,000 mm**

Question 26

4 kg cao **B1**

Answer: **4 kg**

Question 27

23 kg cao **B1**

Answer: **23 kg**

Question 28

2300 g cao **B1**

Answer: **2300 g**

Question 29

14:50 cao **B1**

Answer: **14:50**

Question 30

2.4 km cao **B1**

Answer: **2.4 km**

Question 31

16 m cao **B1**

Answer: **16 m**

Question 32

size of a small division found **M1**

56 ml cao **A1**

Answer: **56 ml**

Question 33

£32 cao **B1**

Answer: **£32**

Question 34

150 cao **B1**

Answer: **150**

Question 35

18 kg cao **B1**

Answer: **18 kg**

Question 36

1,049 cm cao **B1**

Answer: **1,049 cm**

Question 37

1.25 L cao **B1**

Answer: **1.25 L**

Question 38

7 kg cao **B1**

Answer: **7 kg**

Question 39

£17 cao **B1**

Answer: **£17**

Question 40

converts to the same unit **M1**

9,237 m cao **A1**

Answer: **9,237 m**

Question 41

15 km cao **B1**

Answer: **15 km**

Question 42

1700p cao **B1**

Answer: **1700p**

Question 43

3.75 litres = 3,750 ml seen **M1**

30 cao **A1**

Answer: **30**

Question 44

01:05 cao **B1**

Answer: **01:05**

Question 45

165 cao **B1**

Answer: **165**

Question 46

adds all four sides or doubles l + w **M1**

112 cm cao **A1**

Answer: **112 cm**

Question 47

600 ml cao **B1**

Answer: **600 ml**

Question 48

adds all four sides or doubles l + w **M1**

68 km cao **A1**

Answer: **68 km**

Question 49

converts to the same unit **M1**

1,204 m cao **A1**

Answer: **1,204 m**

Question 50

700 g = 0.7 kg seen **M1**

3.6 kg cao **A1**

Answer: **3.6 kg**

Question 51

3800p cao **B1**

Answer: **3800p**

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Question 52

40,000 g cao **B1**

Answer: **40,000 g**

Question 53

converts to the same unit **M1**

6,671 m cao **A1**

Answer: **6,671 m**

Question 54

converts to the same unit **M1**

3.9 km cao **A1**

Answer: **3.9 km**

Question 55

360 cao **B1**

Answer: **360**

Question 56

converts to the same unit **M1**

7.6 m cao **A1**

Answer: **7.6 m**

Question 57

converts to the same unit **M1**

6.6 kg cao **A1**

Answer: **6.6 kg**

Question 58

size of a small division found **M1**

140 ml cao **A1**

Answer: **140 ml**

Question 59

5.3 km cao **B1**

Answer: **5.3 km**

Question 60

2,900 cm cao **B1**

Answer: **2,900 cm**

Question 61

2.25 litres = 2,250 ml seen **M1**

45 cao **A1**

Answer: **45**

Question 62

35 km cao **B1**

Answer: **35 km**

Question 63

£8 cao **B1**

Answer: **£8**

Question 64

Converts 1.5 kg to 1500 g and multiplies by 3 (1500 x 3) method **M1**

4500 g cao **A1**

Answer: **4500 g**

Question 65

adds all four sides or doubles l + w **M1**

64 mm cao **A1**

Answer: **64 mm**

Question 66

52 m cao **B1**

Answer: **52 m**

Question 67

200 cm cao **B1**

Answer: **200 cm**

Question 68

2 cm cao **B1**

Answer: **2 cm**

Question 69

24 km cao **B1**

Answer: **24 km**

Question 70

1450 ml cao **B1**

Answer: **1450 ml**

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