7.8 Measurement: Metric and Imperial Units: 30-minute Pack

Calculators not allowed · about 30 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Convert 360 mm to cm.

Answer: ___ cm

(1)

---

2 Convert 97.8 km to m.

Answer: ___ m

(1)

---

3 Convert 26.4 litres to ml.

Answer: ___ ml

(1)

---

4 A jug holds 4.75 litres of juice. Jade pours it into glasses that each hold 125 ml.

How many glasses can be filled?

Answer: ___

(2)

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5 A school swimming pool is filled with 12,000 litres of water each week. How many kilolitres is this?

(2)

---

6 How many minutes are there in 5 hours and 45 minutes?

Answer: ___

(1)

---

7 Convert 54.2 cm to mm.

Answer: ___ mm

(1)

---

8 Write 2:25 pm as a 24-hour clock time.

Answer: ___

(1)

---

9 Use 1 inch = 2.5 cm.

A strip of card is 2 inches long. How long is it in cm?

Answer: ___ cm

(1)

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10 A scale in ml has big marks every 100 ml, with 10 equal small divisions between each big mark. The first big mark is 100. The pointer is 9 small divisions after the second big mark.

What is the reading?

Answer: ___ ml

(2)

---

11 Which is bigger, 1.9 litres or 1,765 ml?

Answer: ___

(2)

---

12 £1 = 8 francs.

A toy costs 88 francs. How much is that in pounds?

Answer: £___

(1)

---

13 Convert 1,490 mm to m.

Answer: ___ m

(1)

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14 Use 1 inch = 2.5 cm.

A strip of card is 4 inches long. How long is it in cm?

Answer: ___ cm

(1)

---

15 Priya says that 1 inch is exactly 2.5 centimetres. Is she correct? Explain your answer using an approximate imperial to metric conversion.

(2)

---

16 Each lap is 8.2 km. Grace runs 8 laps. How far does Grace run?

Answer: ___ km

(2)

---

17 £1 = 5 zlotys.

How many zlotys do you get for £30?

Answer: ___ zlotys

(1)

---

18 Oliver cycles 12.5 kilometres to football practice and back the same way. What distance does he travel in metres?

(1)

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Mark scheme · 7.8 Measurement: Metric and Imperial Units: 30-minute Pack

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

Question 1

36 cm cao — **B1**

Answer: **36 cm**

Question 2

97,800 m cao — **B1**

Answer: **97,800 m**

Question 3

26,400 ml cao — **B1**

Answer: **26,400 ml**

Question 4

4.75 litres = 4,750 ml seen — **M1**

38 cao — **A1**

Answer: **38**

Question 5

12,000 / 1000 = 12 shown — **M1**

12 kL cao — **B1**

Answer: **12**

Question 6

345 cao — **B1**

Answer: **345**

Question 7

542 mm cao — **B1**

Answer: **542 mm**

Question 8

14:25 cao — **B1**

Answer: **14:25**

Question 9

5 cm cao — **B1**

Answer: **5 cm**

Question 10

size of a small division found — **M1**

290 ml cao — **A1**

Answer: **290 ml**

Question 11

converts to the same unit — **M1**

1.9 litres cao — **A1**

Answer: **1.9 litres**

Question 12

£11 cao — **B1**

Answer: **£11**

Question 13

1.49 m cao — **B1**

Answer: **1.49 m**

Question 14

10 cm cao — **B1**

Answer: **10 cm**

Question 15

Gives an approximate value showing 1 in is about 2.54 cm or states not exact — **M1**

Concludes that 2.5 cm is a close approximation but not exact cao — **B1**

Answer: **Not exactly. 1 in is about 2.54 cm, so 2.5 cm is a close approximation but not exact.**

Question 16

multiplication seen — **M1**

65.6 km cao — **A1**

Answer: **65.6 km**

Question 17

150 zlotys cao — **B1**

Answer: **150 zlotys**

Question 18

25000 m cao — **B1**

Answer: **25000**

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