2.10 Measures and Units: 2-hour Pack

GL ASSESSMENT GL · Calculators not allowed · about 120 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Amara has a roll of ribbon 5.5 m long and cuts off 3 pieces that are each 35 cm long. How many centimetres of ribbon are left?

- [ ] A) 5,395 cm
- [ ] B) 444 cm
- [ ] C) -99.5 cm
- [ ] D) 445 cm
- [ ] E) -50 cm

---

2 Convert 612,800 ml to litres.

- [ ] A) 61,280 litres
- [ ] B) 61.28 litres
- [ ] C) 612.8 litres
- [ ] D) 6,128 litres
- [ ] E) 612,800,000 litres

---

3 Ravi has a roll of ribbon 7 m long and cuts off 9 pieces that are each 50 cm long. How many centimetres of ribbon are left?

- [ ] A) -443 cm
- [ ] B) 650 cm
- [ ] C) -380 cm
- [ ] D) 250 cm
- [ ] E) 251 cm

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4 Convert 80.5 m to cm.

- [ ] A) 80,500 cm
- [ ] B) 8,050 cm
- [ ] C) 805 cm
- [ ] D) 0.805 cm
- [ ] E) 805,000 cm

---

5 Ben has a roll of ribbon 4 m long and cuts off 8 pieces that are each 25 cm long. How many centimetres of ribbon are left?

- [ ] A) 200 cm
- [ ] B) -160 cm
- [ ] C) 199 cm
- [ ] D) 375 cm
- [ ] E) -196 cm

---

6 Convert 1,437,000 m to km.

- [ ] A) 1,437,000,000 km
- [ ] B) 143,700 km
- [ ] C) 143.7 km
- [ ] D) 14,370 km
- [ ] E) 1,437 km

---

7 A jug holds 4 litres. Aisha fills glasses that each hold 100 ml. How many glasses can be filled from a full jug?

- [ ] A) 400
- [ ] B) 4
- [ ] C) 40
- [ ] D) 41
- [ ] E) 39

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8 Convert 49 cm to mm.

- [ ] A) 49,000 mm
- [ ] B) 490 mm
- [ ] C) 490,000 mm
- [ ] D) 4,900 mm
- [ ] E) 4.9 mm

---

9 Convert 96.3 m to cm.

- [ ] A) 96,300 cm
- [ ] B) 0.963 cm
- [ ] C) 963 cm
- [ ] D) 963,000 cm
- [ ] E) 9,630 cm

---

10 Isla has a roll of ribbon 7.75 m long and cuts off 7 pieces that are each 25 cm long. How many centimetres of ribbon are left?

- [ ] A) 600 cm
- [ ] B) 599 cm
- [ ] C) 175 cm
- [ ] D) -97.5 cm
- [ ] E) -167.25 cm

---

11 Convert 522 mm to cm.

- [ ] A) 0.522 cm
- [ ] B) 5.22 cm
- [ ] C) 0.0522 cm
- [ ] D) 5,220 cm
- [ ] E) 52.2 cm

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12 Convert 43,700 g to kg.

- ☐ A) 43.7 kg
- ☐ B) 43,700,000 kg
- ☐ C) 437 kg
- ☐ D) 4.37 kg
- ☐ E) 4,370 kg

---

13 Aisha has a roll of ribbon 4.25 m long and cuts off 8 pieces that are each 15 cm long. How many centimetres of ribbon are left?

- ☐ A) -115.75 cm
- ☐ B) -77.5 cm
- ☐ C) 305 cm
- ☐ D) 410 cm
- ☐ E) 306 cm

---

14 Mr Hughes needs to arrive at a meeting in Cardiff by 13:30. The distance from his office to Cardiff is 84 km. He plans to drive at an average speed of 56 km/h and will take one 15 minute break on the way.

(a) Calculate the driving time for the journey, not including the break. Give your answer in hours and minutes. **(2)**

.....

(b) Calculate the total time needed for the whole journey, including the break. **(2)**

.....

(c) Find the latest time Mr Hughes must leave the office in order to arrive by 13:30. **(2)**

.....

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15 Convert 687,600 ml to litres.

- [ ] A) 68.76 litres
- [ ] B) 687.6 litres
- [ ] C) 6,876 litres
- [ ] D) 687,600,000 litres
- [ ] E) 68,760 litres

---

16 Ravi has a roll of ribbon 5 m long and cuts off 3 pieces that are each 30 cm long. How many centimetres of ribbon are left?

- [ ] A) 4,910 cm
- [ ] B) -40 cm
- [ ] C) 470 cm
- [ ] D) -85 cm
- [ ] E) 410 cm

---

17 Convert 71,580 cm to m.

- [ ] A) 7,158,000 m
- [ ] B) 7.158 m
- [ ] C) 715.8 m
- [ ] D) 7,158 m
- [ ] E) 71.58 m

---

18 A jug holds 3 litres. Aisha fills glasses that each hold 500 ml. How many glasses can be filled from a full jug?

- [ ] A) 6
- [ ] B) 5
- [ ] C) 1,500
- [ ] D) 60
- [ ] E) 7

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19 Imogen has a roll of ribbon 8.5 m long and cuts off 6 pieces that are each 35 cm long. How many centimetres of ribbon are left?

- [ ] A) -201.5 cm
- [ ] B) 640 cm
- [ ] C) 8,290 cm
- [ ] D) -125 cm
- [ ] E) 815 cm

---

20 Convert 559,000 m to km.

- [ ] A) 55.9 km
- [ ] B) 55,900 km
- [ ] C) 5,590 km
- [ ] D) 559,000,000 km
- [ ] E) 559 km

---

21 A jug holds 11 litres. Ravi fills glasses that each hold 500 ml. How many glasses can be filled from a full jug?

- [ ] A) 5,500
- [ ] B) 21
- [ ] C) 22
- [ ] D) 220
- [ ] E) 23

---

22 Yusuf has a roll of ribbon 6.25 m long and cuts off 7 pieces that are each 10 cm long. How many centimetres of ribbon are left?

- [ ] A) -7.5 cm
- [ ] B) -63.75 cm
- [ ] C) 554 cm
- [ ] D) 555 cm
- [ ] E) 615 cm

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23 A rectangular flower bed has a length of 8.5 m and a width of 3 m. Calculate the perimeter of the flower bed.

- [ ] A) 25.5 m
- [ ] B) 11.5 m
- [ ] C) 51 m
- [ ] D) 23 m
- [ ] E) 20 m

---

24 Convert 98.9 m to cm.

- [ ] A) 989 cm
- [ ] B) 9,890 cm
- [ ] C) 0.989 cm
- [ ] D) 98,900 cm
- [ ] E) 989,000 cm

---

25 Convert 7,570 mm to cm.

- [ ] A) 757 cm
- [ ] B) 7.57 cm
- [ ] C) 75,700 cm
- [ ] D) 0.757 cm
- [ ] E) 75.7 cm

---

26 Niamh has a roll of ribbon 3 m long and cuts off 5 pieces that are each 30 cm long. How many centimetres of ribbon are left?

- [ ] A) -120 cm
- [ ] B) 150 cm
- [ ] C) -147 cm
- [ ] D) 151 cm
- [ ] E) 2,850 cm

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27 Convert 45,600 ml to litres.

- [ ] A) 4.56 litres
- [ ] B) 45,600,000 litres
- [ ] C) 4,560 litres
- [ ] D) 456 litres
- [ ] E) 45.6 litres

---

28 Mei has a roll of ribbon 5 m long and cuts off 8 pieces that are each 55 cm long. How many centimetres of ribbon are left?

- [ ] A) -390 cm
- [ ] B) 61 cm
- [ ] C) 60 cm
- [ ] D) 59 cm
- [ ] E) -435 cm

---

29 Convert 76,150 mm to cm.

- [ ] A) 761.5 cm
- [ ] B) 7.615 cm
- [ ] C) 761,500 cm
- [ ] D) 7,615 cm
- [ ] E) 76.15 cm

---

30 Priya has a roll of ribbon 8.75 m long and cuts off 5 pieces that are each 50 cm long. How many centimetres of ribbon are left?

- [ ] A) -162.5 cm
- [ ] B) 625 cm
- [ ] C) 624 cm
- [ ] D) -241.25 cm
- [ ] E) 626 cm

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31 Convert 70.8 km to m.

- [ ] A) 70,800 m
- [ ] B) 7,080 m
- [ ] C) 708,000 m
- [ ] D) 708 m
- [ ] E) 0.0708 m

---

32 Convert 351,200 m to km.

- [ ] A) 35,120 km
- [ ] B) 351,200,000 km
- [ ] C) 351.2 km
- [ ] D) 35.12 km
- [ ] E) 3,512 km

---

33 Convert 56.6 kg to g.

- [ ] A) 0.0566 g
- [ ] B) 5,660 g
- [ ] C) 56,600 g
- [ ] D) 566 g
- [ ] E) 566,000 g

---

34 Tom has a roll of ribbon 3.5 m long and cuts off 7 pieces that are each 35 cm long. How many centimetres of ribbon are left?

- [ ] A) 104 cm
- [ ] B) 105 cm
- [ ] C) -210 cm
- [ ] D) -241.5 cm
- [ ] E) 245 cm

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35 A jug holds 4 litres. Leo fills glasses that each hold 250 ml. How many glasses can be filled from a full jug?

- [ ] A) 160
- [ ] B) 17
- [ ] C) 15
- [ ] D) 16
- [ ] E) 1,000

---

36 Convert 19.1 litres to ml.

- [ ] A) 191 ml
- [ ] B) 1,910 ml
- [ ] C) 0.0191 ml
- [ ] D) 191,000 ml
- [ ] E) 19,100 ml

---

37 Ethan has a roll of ribbon 5 m long and cuts off 8 pieces that are each 45 cm long. How many centimetres of ribbon are left?

- [ ] A) 360 cm
- [ ] B) -355 cm
- [ ] C) 140 cm
- [ ] D) 455 cm
- [ ] E) -310 cm

---

38 Ethan has a roll of ribbon 4.5 m long and cuts off 5 pieces that are each 25 cm long. How many centimetres of ribbon are left?

- [ ] A) -120.5 cm
- [ ] B) 425 cm
- [ ] C) -80 cm
- [ ] D) 325 cm
- [ ] E) 324 cm

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39 Convert 7,778,000 ml to litres.

- [ ] A) 7,778 litres
- [ ] B) 7,778,000,000 litres
- [ ] C) 777,800 litres
- [ ] D) 777.8 litres
- [ ] E) 77,780 litres

---

40 Noah has a roll of ribbon 3.5 m long and cuts off 6 pieces that are each 30 cm long. How many centimetres of ribbon are left?

- [ ] A) -176.5 cm
- [ ] B) 320 cm
- [ ] C) -145 cm
- [ ] D) 169 cm
- [ ] E) 170 cm

---

41 A jug holds 7 litres. Dylan fills glasses that each hold 125 ml. How many glasses can be filled from a full jug?

- [ ] A) 560
- [ ] B) 57
- [ ] C) 55
- [ ] D) 875
- [ ] E) 56

---

42 Convert 768 cm to mm.

- [ ] A) 76.8 mm
- [ ] B) 76,800 mm
- [ ] C) 7,680 mm
- [ ] D) 7,680,000 mm
- [ ] E) 768,000 mm

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43 Ben has a roll of ribbon 6.25 m long and cuts off 7 pieces that are each 50 cm long. How many centimetres of ribbon are left?

- [ ] A) 5,900 cm
- [ ] B) -343.75 cm
- [ ] C) 275 cm
- [ ] D) -287.5 cm
- [ ] E) 274 cm

---

44 Convert 42,260 cm to m.

- [ ] A) 4.226 m
- [ ] B) 4,226,000 m
- [ ] C) 4,226 m
- [ ] D) 422.6 m
- [ ] E) 42.26 m

---

45 Convert 8,392,000 m to km.

- [ ] A) 8,392,000,000 km
- [ ] B) 8,392 km
- [ ] C) 839.2 km
- [ ] D) 839,200 km
- [ ] E) 83,920 km

---

46 Rhys has a roll of ribbon 7.5 m long and cuts off 6 pieces that are each 15 cm long. How many centimetres of ribbon are left?

- [ ] A) 660 cm
- [ ] B) -82.5 cm
- [ ] C) -15 cm
- [ ] D) 735 cm
- [ ] E) 7,410 cm

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47 Convert 693,400 g to kg.

- [ ] A) 69,340 kg
- [ ] B) 693,400,000 kg
- [ ] C) 693.4 kg
- [ ] D) 6,934 kg
- [ ] E) 69.34 kg

---

48 Convert 9.3 cm to mm.

- [ ] A) 93 mm
- [ ] B) 93,000 mm
- [ ] C) 9,300 mm
- [ ] D) 0.93 mm
- [ ] E) 930 mm

---

49 Mei has a roll of ribbon 9.75 m long and cuts off 3 pieces that are each 50 cm long. How many centimetres of ribbon are left?

- [ ] A) 826 cm
- [ ] B) 150 cm
- [ ] C) -140.25 cm
- [ ] D) 825 cm
- [ ] E) -52.5 cm

---

50 A rectangular flower bed has a length of 9.5 m and a width of 4 m. Calculate the perimeter of the flower bed.

- [ ] A) 27 m
- [ ] B) 76 m
- [ ] C) 23 m
- [ ] D) 38 m
- [ ] E) 13.5 m

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51 A jug holds 5 litres. Poppy fills glasses that each hold 125 ml. How many glasses can be filled from a full jug?

- [ ] A) 4
- [ ] B) 400
- [ ] C) 40
- [ ] D) 41
- [ ] E) 39

---

52 Convert 6,690 mm to cm.

- [ ] A) 0.669 cm
- [ ] B) 6.69 cm
- [ ] C) 66.9 cm
- [ ] D) 66,900 cm
- [ ] E) 669 cm

---

53 Kwame has a roll of ribbon 3.25 m long and cuts off 6 pieces that are each 40 cm long. How many centimetres of ribbon are left?

- [ ] A) 85 cm
- [ ] B) 86 cm
- [ ] C) -207.5 cm
- [ ] D) -236.75 cm
- [ ] E) 84 cm

---

54 Convert 8,935,000 ml to litres.

- [ ] A) 8,935,000,000 litres
- [ ] B) 8,935 litres
- [ ] C) 893.5 litres
- [ ] D) 89,350 litres
- [ ] E) 893,500 litres

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55 A jug holds 7 litres. Niamh fills glasses that each hold 200 ml. How many glasses can be filled from a full jug?

- [ ] A) 34
- [ ] B) 36
- [ ] C) 1,400
- [ ] D) 35
- [ ] E) 350

---

56 Convert 45.7 km to m.

- [ ] A) 0.0457 m
- [ ] B) 457 m
- [ ] C) 457,000 m
- [ ] D) 45,700 m
- [ ] E) 4,570 m

---

57 A jug holds 6 litres. Maya fills glasses that each hold 250 ml. How many glasses can be filled from a full jug?

- [ ] A) 25
- [ ] B) 23
- [ ] C) 24
- [ ] D) 1,500
- [ ] E) 240

---

58 A jug holds 12 litres. Arjun fills glasses that each hold 100 ml. How many glasses can be filled from a full jug?

- [ ] A) 120
- [ ] B) 12
- [ ] C) 119
- [ ] D) 1,200
- [ ] E) 121

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59 Convert 9.44 km to m.

- [ ] A) 94,400 m
- [ ] B) 944 m
- [ ] C) 94.4 m
- [ ] D) 0.00944 m
- [ ] E) 9,440 m

---

60 Convert 727,000 g to kg.

- [ ] A) 72,700 kg
- [ ] B) 727 kg
- [ ] C) 72.7 kg
- [ ] D) 727,000,000 kg
- [ ] E) 7,270 kg

---

61 A car travels at a constant speed of 30 km/h for 2 hours. Calculate the distance travelled.

- [ ] A) 30 km
- [ ] B) 600 km
- [ ] C) 60 km
- [ ] D) 32 km
- [ ] E) 90 km

---

62 Convert 47,740 mm to cm.

- [ ] A) 477,400 cm
- [ ] B) 4,774 cm
- [ ] C) 4.774 cm
- [ ] D) 477.4 cm
- [ ] E) 47.74 cm

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63 A jug contains 5 litres of orange juice. Calculate how many 250 ml glasses can be completely filled from the jug.

- [ ] A) 21 glasses
- [ ] B) 200 glasses
- [ ] C) 25 glasses
- [ ] D) 20 glasses
- [ ] E) 19 glasses

---

64 Convert 9,441,000 ml to litres.

- [ ] A) 9,441,000,000 litres
- [ ] B) 9,441 litres
- [ ] C) 94,410 litres
- [ ] D) 944.1 litres
- [ ] E) 944,100 litres

---

65 A jug holds 4 litres. Tariq fills glasses that each hold 500 ml. How many glasses can be filled from a full jug?

- [ ] A) 80
- [ ] B) 9
- [ ] C) 7
- [ ] D) 2,000
- [ ] E) 8

---

66 A jug contains 3 litres of orange juice. Calculate how many 250 ml glasses can be completely filled from the jug.

- [ ] A) 15 glasses
- [ ] B) 11 glasses
- [ ] C) 12 glasses
- [ ] D) 13 glasses
- [ ] E) 120 glasses

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67 Convert 87,600 m to km.

- [ ] A) 87.6 km
- [ ] B) 8,760 km
- [ ] C) 87,600,000 km
- [ ] D) 876 km
- [ ] E) 8.76 km

---

68 Leo has a roll of ribbon 2 m long and cuts off 3 pieces that are each 55 cm long. How many centimetres of ribbon are left?

- [ ] A) 35 cm
- [ ] B) -163 cm
- [ ] C) 34 cm
- [ ] D) 165 cm
- [ ] E) -145 cm

---

69 A car travels at a constant speed of 50 km/h for 5 hours. Calculate the distance travelled.

- [ ] A) 55 km
- [ ] B) 2500 km
- [ ] C) 250 km
- [ ] D) 200 km
- [ ] E) 300 km

---

70 Ravi has a roll of ribbon 6.5 m long and cuts off 8 pieces that are each 20 cm long. How many centimetres of ribbon are left?

- [ ] A) 6,340 cm
- [ ] B) -95 cm
- [ ] C) 489 cm
- [ ] D) -153.5 cm
- [ ] E) 490 cm

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71 A car travels at a constant speed of 70 km/h for 4 hours. Calculate the distance travelled.

- [ ] A) 350 km
- [ ] B) 2800 km
- [ ] C) 74 km
- [ ] D) 280 km
- [ ] E) 210 km

---

72 Declan has a roll of ribbon 3.75 m long and cuts off 5 pieces that are each 35 cm long. How many centimetres of ribbon are left?

- [ ] A) -137.5 cm
- [ ] B) 340 cm
- [ ] C) 200 cm
- [ ] D) -171.25 cm
- [ ] E) 3,575 cm

---

73 A jug contains 5 litres of orange juice. Calculate how many 200 ml glasses can be completely filled from the jug.

- [ ] A) 25 glasses
- [ ] B) 24 glasses
- [ ] C) 30 glasses
- [ ] D) 26 glasses
- [ ] E) 250 glasses

---

74 Convert 93,980 cm to m.

- [ ] A) 9.398 m
- [ ] B) 9,398,000 m
- [ ] C) 9,398 m
- [ ] D) 939.8 m
- [ ] E) 93.98 m

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75 A car travels at a constant speed of 70 km/h for 6 hours. Calculate the distance travelled.

- [ ] A) 350 km
- [ ] B) 76 km
- [ ] C) 4200 km
- [ ] D) 420 km
- [ ] E) 490 km

---

76 Convert 694,300 g to kg.

- [ ] A) 6,943 kg
- [ ] B) 69,430 kg
- [ ] C) 69.43 kg
- [ ] D) 694,300,000 kg
- [ ] E) 694.3 kg

---

77 Esme has a roll of ribbon 8.25 m long and cuts off 9 pieces that are each 50 cm long. How many centimetres of ribbon are left?

- [ ] A) -441.75 cm
- [ ] B) 375 cm
- [ ] C) -367.5 cm
- [ ] D) 775 cm
- [ ] E) 7,800 cm

---

78 A rectangular flower bed has a length of 9.5 m and a width of 3 m. Calculate the perimeter of the flower bed.

- [ ] A) 57 m
- [ ] B) 28.5 m
- [ ] C) 25 m
- [ ] D) 22 m
- [ ] E) 12.5 m

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79 Convert 1.1 litres to ml.

- [ ] A) 1,100 ml
- [ ] B) 11 ml
- [ ] C) 0.0011 ml
- [ ] D) 110 ml
- [ ] E) 11,000 ml

---

80 Chloe has a roll of ribbon 9.25 m long and cuts off 8 pieces that are each 55 cm long. How many centimetres of ribbon are left?

- [ ] A) 485 cm
- [ ] B) -347.5 cm
- [ ] C) 870 cm
- [ ] D) 484 cm
- [ ] E) -430.75 cm

---

81 Convert 6,072,000 ml to litres.

- [ ] A) 607.2 litres
- [ ] B) 60,720 litres
- [ ] C) 607,200 litres
- [ ] D) 6,072 litres
- [ ] E) 6,072,000,000 litres

---

82 Fatima has a roll of ribbon 9.75 m long and cuts off 4 pieces that are each 30 cm long. How many centimetres of ribbon are left?

- [ ] A) 9,630 cm
- [ ] B) 855 cm
- [ ] C) -110.25 cm
- [ ] D) -22.5 cm
- [ ] E) 945 cm

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83 A car travels at a constant speed of 90 km/h for 5 hours. Calculate the distance travelled.

- [ ] A) 360 km
- [ ] B) 95 km
- [ ] C) 4500 km
- [ ] D) 540 km
- [ ] E) 450 km

---

84 A jug holds 11 litres. Yusuf fills glasses that each hold 200 ml. How many glasses can be filled from a full jug?

- [ ] A) 56
- [ ] B) 2,200
- [ ] C) 54
- [ ] D) 55
- [ ] E) 550

---

85 A rectangular flower bed has a length of 7 m and a width of 3 m. Calculate the perimeter of the flower bed.

- [ ] A) 20 m
- [ ] B) 42 m
- [ ] C) 10 m
- [ ] D) 17 m
- [ ] E) 21 m

---

86 Convert 572 m to cm.

- [ ] A) 572,000 cm
- [ ] B) 57,200 cm
- [ ] C) 5,720,000 cm
- [ ] D) 5.72 cm
- [ ] E) 5,720 cm

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87 Lily has a roll of ribbon 4 m long and cuts off 3 pieces that are each 50 cm long. How many centimetres of ribbon are left?

- [ ] A) -110 cm
- [ ] B) -146 cm
- [ ] C) 250 cm
- [ ] D) 251 cm
- [ ] E) 350 cm

---

88 A rectangular flower bed has a length of 7.5 m and a width of 3 m. Calculate the perimeter of the flower bed.

- [ ] A) 45 m
- [ ] B) 10.5 m
- [ ] C) 21 m
- [ ] D) 22.5 m
- [ ] E) 18 m

---

89 Convert 206,400 ml to litres.

- [ ] A) 2,064 litres
- [ ] B) 20,640 litres
- [ ] C) 206,400,000 litres
- [ ] D) 20.64 litres
- [ ] E) 206.4 litres

---

90 Dylan has a roll of ribbon 8.5 m long and cuts off 9 pieces that are each 55 cm long. How many centimetres of ribbon are left?

- [ ] A) 356 cm
- [ ] B) 795 cm
- [ ] C) -410 cm
- [ ] D) 355 cm
- [ ] E) -486.5 cm

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91 A jug contains 3 litres of orange juice. Calculate how many 125 ml glasses can be completely filled from the jug.

- [ ] A) 24 glasses
- [ ] B) 25 glasses
- [ ] C) 27 glasses
- [ ] D) 23 glasses
- [ ] E) 240 glasses

---

92 Convert 25.8 m to cm.

- [ ] A) 258,000 cm
- [ ] B) 2,580 cm
- [ ] C) 25,800 cm
- [ ] D) 258 cm
- [ ] E) 0.258 cm

---

93 A jug holds 12 litres. Callum fills glasses that each hold 125 ml. How many glasses can be filled from a full jug?

- [ ] A) 96
- [ ] B) 95
- [ ] C) 1,500
- [ ] D) 960
- [ ] E) 97

---

94 Convert 17,800 cm to m.

- [ ] A) 1.78 m
- [ ] B) 178 m
- [ ] C) 1,780 m
- [ ] D) 1,780,000 m
- [ ] E) 17.8 m

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95 Esme has a roll of ribbon 2.75 m long and cuts off 5 pieces that are each 10 cm long. How many centimetres of ribbon are left?

- ☐ A) -22.5 cm
- ☐ B) 50 cm
- ☐ C) 225 cm
- ☐ D) -47.25 cm
- ☐ E) 226 cm

---

96 A rectangular lawn measures 350 cm by 200 cm. Calculate the area of the lawn in square metres (m^2).

(3)

---

97 Convert 305 m to cm.

- ☐ A) 30,500 cm
- ☐ B) 305,000 cm
- ☐ C) 3,050 cm
- ☐ D) 3.05 cm
- ☐ E) 3,050,000 cm

---

98 Yusuf has a roll of ribbon 3.75 m long and cuts off 8 pieces that are each 45 cm long. How many centimetres of ribbon are left?

- ☐ A) 3,390 cm
- ☐ B) -356.25 cm
- ☐ C) 15 cm
- ☐ D) -322.5 cm
- ☐ E) 360 cm

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99 A jug contains 3 litres of orange juice. Calculate how many 200 ml glasses can be completely filled from the jug.

- [ ] A) 150 glasses
- [ ] B) 18 glasses
- [ ] C) 14 glasses
- [ ] D) 16 glasses
- [ ] E) 15 glasses

---

100 A jug holds 12 litres. Ethan fills glasses that each hold 250 ml. How many glasses can be filled from a full jug?

- [ ] A) 49
- [ ] B) 48
- [ ] C) 3,000
- [ ] D) 47
- [ ] E) 480

---

101 Convert 3.65 litres to ml.

- [ ] A) 36,500 ml
- [ ] B) 3,650 ml
- [ ] C) 0.00365 ml
- [ ] D) 365 ml
- [ ] E) 36.5 ml

---

102 Arjun has a roll of ribbon 8.5 m long and cuts off 5 pieces that are each 30 cm long. How many centimetres of ribbon are left?

- [ ] A) 699 cm
- [ ] B) 8,350 cm
- [ ] C) -141.5 cm
- [ ] D) -65 cm
- [ ] E) 700 cm

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103 Convert 6.4 m to cm.

- [ ] A) 64 cm
- [ ] B) 0.064 cm
- [ ] C) 640 cm
- [ ] D) 6,400 cm
- [ ] E) 64,000 cm

---

104 Anya has a roll of ribbon 2.25 m long and cuts off 8 pieces that are each 15 cm long. How many centimetres of ribbon are left?

- [ ] A) -117.75 cm
- [ ] B) 210 cm
- [ ] C) 104 cm
- [ ] D) 105 cm
- [ ] E) -97.5 cm

---

105 A bus leaves Leeds at 09:47 and arrives in York at 11:15. Calculate the length of the journey, giving your answer in hours and minutes.

(2)

---

106 Convert 908,200 cm to m.

- [ ] A) 9,082 m
- [ ] B) 90,820 m
- [ ] C) 90.82 m
- [ ] D) 90,820,000 m
- [ ] E) 908.2 m

---

107 Convert 5.21 kg to g.

- [ ] A) 521 g
- [ ] B) 52,100 g
- [ ] C) 5,210 g
- [ ] D) 52.1 g
- [ ] E) 0.00521 g

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108 Leo has a roll of ribbon 2.75 m long and cuts off 3 pieces that are each 15 cm long. How many centimetres of ribbon are left?

- [ ] A) 230 cm
- [ ] B) -42.25 cm
- [ ] C) 231 cm
- [ ] D) 229 cm
- [ ] E) -17.5 cm

---

109 Convert 17.5 m to cm.

- [ ] A) 17,500 cm
- [ ] B) 175,000 cm
- [ ] C) 0.175 cm
- [ ] D) 1,750 cm
- [ ] E) 175 cm

---

110 Convert 69,110 cm to m.

- [ ] A) 6,911 m
- [ ] B) 6.911 m
- [ ] C) 691.1 m
- [ ] D) 69.11 m
- [ ] E) 6,911,000 m

---

111 Oliver has a roll of ribbon 9 m long and cuts off 6 pieces that are each 25 cm long. How many centimetres of ribbon are left?

- [ ] A) 749 cm
- [ ] B) -60 cm
- [ ] C) -141 cm
- [ ] D) 750 cm
- [ ] E) 8,850 cm

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112 Convert 0.965 litres to ml.

- ☐ A) 965 ml
- ☐ B) 0.000965 ml
- ☐ C) 96.5 ml
- ☐ D) 9,650 ml
- ☐ E) 9.65 ml

---

113 The table shows bus times between Sheffield and Nottingham.

Sheffield (dep): 08:20	**09:05**	**10:15**
Nottingham (arr): 09:35	10:20	11:40

(a) Sam catches the 09:05 bus from Sheffield. At what time is he due to arrive in Nottingham? **(1)**

(b) Calculate how long the 10:15 bus takes to travel from Sheffield to Nottingham. **(2)**

.....

---

114 Convert 34,050 cm to m.

- ☐ A) 3,405 m
- ☐ B) 340.5 m
- ☐ C) 3,405,000 m
- ☐ D) 3.405 m
- ☐ E) 34.05 m

---

115 A jug holds 2 litres. Tom fills glasses that each hold 250 ml. How many glasses can be filled from a full jug?

- ☐ A) 80
- ☐ B) 8
- ☐ C) 7
- ☐ D) 500
- ☐ E) 9

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116 Convert 3,936,000 m to km.

- [ ] A) 3,936 km
- [ ] B) 39,360 km
- [ ] C) 3,936,000,000 km
- [ ] D) 393.6 km
- [ ] E) 393,600 km

---

117 Lily has a roll of ribbon 9.5 m long and cuts off 5 pieces that are each 15 cm long. How many centimetres of ribbon are left?

- [ ] A) 20 cm
- [ ] B) -65.5 cm
- [ ] C) 75 cm
- [ ] D) 875 cm
- [ ] E) 9,425 cm

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Mark scheme · 2.10 Measures and Units: 2-hour Pack

Question 1

correct option D (445 cm) cao **B1**

Answer: D) 445 cm

Question 2

correct option C (612.8 litres) cao **B1**

Answer: C) 612.8 litres

Question 3

correct option D (250 cm) cao **B1**

Answer: D) 250 cm

Question 4

correct option B (8,050 cm) cao **B1**

Answer: B) 8,050 cm

Question 5

correct option A (200 cm) cao **B1**

Answer: A) 200 cm

Question 6

correct option E (1,437 km) cao **B1**

Answer: E) 1,437 km

Question 7

correct option C (40) cao **B1**

Answer: C) 40

Question 8

correct option B (490 mm) cao **B1**

Answer: B) 490 mm

Question 9

correct option E (9,630 cm) cao **B1**

Answer: E) 9,630 cm

Question 10

correct option A (600 cm) cao **B1**

Answer: A) 600 cm

Question 11

correct option E (52.2 cm) cao **B1**

Answer: E) 52.2 cm

Question 12

correct option A (43.7 kg) cao **B1**

Answer: A) 43.7 kg

Question 13

correct option C (305 cm) cao **B1**

Answer: C) 305 cm

Question 14

(a) 84 / 56 (oe) **M1**

(a) 1 hour 30 minutes oe **A1**

(a) Answer: 1 hour 30 minutes

(b) Adds 15 minutes to their time from part a, ft **M1**

(b) 1 hour 45 minutes cao (ft) **A1**

(b) Answer: 1 hour 45 minutes

(c) Subtracts their total time from part b from 13:30, ft **M1**

(c) 11:45 cao (ft) **A1**

(c) Answer: 11:45

Question 15

correct option B (687.6 litres) cao **B1**

Answer: B) 687.6 litres

Question 16

correct option E (410 cm) cao **B1**

Answer: E) 410 cm

Question 17

correct option C (715.8 m) cao **B1**

Answer: C) 715.8 m

Question 18

correct option A (6) cao **B1**

Answer: A) 6

Question 19

correct option B (640 cm) cao **B1**

Answer: B) 640 cm

Question 20

correct option E (559 km) cao **B1**

Answer: E) 559 km

Question 21

correct option C (22) cao **B1**

Answer: C) 22

Question 22

correct option D (555 cm) cao **B1**

Answer: D) 555 cm

Question 23

correct option D (23 m) cao **B1**

Answer: D) 23 m

Question 24

correct option B (9,890 cm) cao **B1**

Answer: B) 9,890 cm

Question 25

correct option A (757 cm) cao **B1**

Answer: A) 757 cm

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Question 26

correct option B (150 cm) cao **B1**

Answer: B) 150 cm

Question 27

correct option E (45.6 litres) cao **B1**

Answer: E) 45.6 litres

Question 28

correct option C (60 cm) cao **B1**

Answer: C) 60 cm

Question 29

correct option D (7,615 cm) cao **B1**

Answer: D) 7,615 cm

Question 30

correct option B (625 cm) cao **B1**

Answer: B) 625 cm

Question 31

correct option A (70,800 m) cao **B1**

Answer: A) 70,800 m

Question 32

correct option C (351.2 km) cao **B1**

Answer: C) 351.2 km

Question 33

correct option C (56,600 g) cao **B1**

Answer: C) 56,600 g

Question 34

correct option B (105 cm) cao **B1**

Answer: B) 105 cm

Question 35

correct option D (16) cao **B1**

Answer: D) 16

Question 36

correct option E (19,100 ml) cao **B1**

Answer: E) 19,100 ml

Question 37

correct option C (140 cm) cao **B1**

Answer: C) 140 cm

Question 38

correct option D (325 cm) cao **B1**

Answer: D) 325 cm

Question 39

correct option A (7,778 litres) cao **B1**

Answer: A) 7,778 litres

Question 40

correct option E (170 cm) cao **B1**

Answer: E) 170 cm

Question 41

correct option E (56) cao **B1**

Answer: E) 56

Question 42

correct option C (7,680 mm) cao **B1**

Answer: C) 7,680 mm

Question 43

correct option C (275 cm) cao **B1**

Answer: C) 275 cm

Question 44

correct option D (422.6 m) cao **B1**

Answer: D) 422.6 m

Question 45

correct option B (8,392 km) cao **B1**

Answer: B) 8,392 km

Question 46

correct option A (660 cm) cao **B1**

Answer: A) 660 cm

Question 47

correct option C (693.4 kg) cao **B1**

Answer: C) 693.4 kg

Question 48

correct option A (93 mm) cao **B1**

Answer: A) 93 mm

Question 49

correct option D (825 cm) cao **B1**

Answer: D) 825 cm

Question 50

correct option A (27 m) cao **B1**

Answer: A) 27 m

Question 51

correct option C (40) cao **B1**

Answer: C) 40

Question 52

correct option E (669 cm) cao **B1**

Answer: E) 669 cm

Question 53

correct option A (85 cm) cao **B1**

Answer: A) 85 cm

Question 54

correct option B (8,935 litres) cao **B1**

Answer: B) 8,935 litres

Question 55

correct option D (35) cao **B1**

Answer: D) 35

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Question 56

correct option D (45,700 m) cao **B1**

Answer: D) 45,700 m

Question 57

correct option C (24) cao **B1**

Answer: C) 24

Question 58

correct option A (120) cao **B1**

Answer: A) 120

Question 59

correct option E (9,440 m) cao **B1**

Answer: E) 9,440 m

Question 60

correct option B (727 kg) cao **B1**

Answer: B) 727 kg

Question 61

correct option C (60 km) cao **B1**

Answer: C) 60 km

Question 62

correct option B (4,774 cm) cao **B1**

Answer: B) 4,774 cm

Question 63

correct option D (20 glasses) cao **B1**

Answer: D) 20 glasses

Question 64

correct option B (9,441 litres) cao **B1**

Answer: B) 9,441 litres

Question 65

correct option E (8) cao **B1**

Answer: E) 8

Question 66

correct option C (12 glasses) cao **B1**

Answer: C) 12 glasses

Question 67

correct option A (87.6 km) cao **B1**

Answer: A) 87.6 km

Question 68

correct option A (35 cm) cao **B1**

Answer: A) 35 cm

Question 69

correct option C (250 km) cao **B1**

Answer: C) 250 km

Question 70

correct option E (490 cm) cao **B1**

Answer: E) 490 cm

Question 71

correct option D (280 km) cao **B1**

Answer: D) 280 km

Question 72

correct option C (200 cm) cao **B1**

Answer: C) 200 cm

Question 73

correct option A (25 glasses) cao **B1**

Answer: A) 25 glasses

Question 74

correct option D (939.8 m) cao **B1**

Answer: D) 939.8 m

Question 75

correct option D (420 km) cao **B1**

Answer: D) 420 km

Question 76

correct option E (694.3 kg) cao **B1**

Answer: E) 694.3 kg

Question 77

correct option B (375 cm) cao **B1**

Answer: B) 375 cm

Question 78

correct option C (25 m) cao **B1**

Answer: C) 25 m

Question 79

correct option A (1,100 ml) cao **B1**

Answer: A) 1,100 ml

Question 80

correct option A (485 cm) cao **B1**

Answer: A) 485 cm

Question 81

correct option D (6,072 litres) cao **B1**

Answer: D) 6,072 litres

Question 82

correct option B (855 cm) cao **B1**

Answer: B) 855 cm

Question 83

correct option E (450 km) cao **B1**

Answer: E) 450 km

Question 84

correct option D (55) cao **B1**

Answer: D) 55

Question 85

correct option A (20 m) cao **B1**

Answer: A) 20 m

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Question 86

correct option B (57,200 cm) cao **B1**

Answer: B) 57,200 cm

Question 87

correct option C (250 cm) cao **B1**

Answer: C) 250 cm

Question 88

correct option C (21 m) cao **B1**

Answer: C) 21 m

Question 89

correct option E (206.4 litres) cao **B1**

Answer: E) 206.4 litres

Question 90

correct option D (355 cm) cao **B1**

Answer: D) 355 cm

Question 91

correct option A (24 glasses) cao **B1**

Answer: A) 24 glasses

Question 92

correct option B (2,580 cm) cao **B1**

Answer: B) 2,580 cm

Question 93

correct option A (96) cao **B1**

Answer: A) 96

Question 94

correct option B (178 m) cao **B1**

Answer: B) 178 m

Question 95

correct option C (225 cm) cao **B1**

Answer: C) 225 cm

Question 96

Converts both lengths to metres: 3.5 m and 2 m **M1**

Correct method, e.g. 3.5 x 2 (oe) **M1**

7 m² cao **A1**

Answer: 7 m^2

Question 97

correct option A (30,500 cm) cao **B1**

Answer: A) 30,500 cm

Question 98

correct option C (15 cm) cao **B1**

Answer: C) 15 cm

Question 99

correct option E (15 glasses) cao **B1**

Answer: E) 15 glasses

Question 100

correct option B (48) cao **B1**

Answer: B) 48

Question 101

correct option B (3,650 ml) cao **B1**

Answer: B) 3,650 ml

Question 102

correct option E (700 cm) cao **B1**

Answer: E) 700 cm

Question 103

correct option C (640 cm) cao **B1**

Answer: C) 640 cm

Question 104

correct option D (105 cm) cao **B1**

Answer: D) 105 cm

Question 105

Correct method, e.g. 09:47 to 10:47 is 1 hour, then adds the remaining 28 minutes to 11:15 (oe) **M1**

1 hour 28 minutes cao **A1**

Answer: 1 hour 28 minutes

Question 106

correct option A (9,082 m) cao **B1**

Answer: A) 9,082 m

Question 107

correct option C (5,210 g) cao **B1**

Answer: C) 5,210 g

Question 108

correct option A (230 cm) cao **B1**

Answer: A) 230 cm

Question 109

correct option D (1,750 cm) cao **B1**

Answer: D) 1,750 cm

Question 110

correct option C (691.1 m) cao **B1**

Answer: C) 691.1 m

Question 111

correct option D (750 cm) cao **B1**

Answer: D) 750 cm

Question 112

correct option A (965 ml) cao **B1**

Answer: A) 965 ml

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Question 113

(a) 10:20 cao **B1**

(a) Answer: 10:20

(b) Correct method finding elapsed time from 10:15 to 11:40 (oe) **M1**

(b) 1 hour 25 minutes cao **A1**

(b) Answer: 1 hour 25 minutes

Question 114

correct option B (340.5 m) cao **B1**

Answer: B) 340.5 m

Question 115

correct option B (8) cao **B1**

Answer: B) 8

Question 116

correct option A (3,936 km) cao **B1**

Answer: A) 3,936 km

Question 117

correct option D (875 cm) cao **B1**

Answer: D) 875 cm

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