Worksheet

Measurement

Question 1: How much more is to be added to 500 g to make it equal to 1 kg?

Answer : 1 kg = 1000 g
½ kg = 500 g
So, we need 500 g to make it equal to 1 kg.

Question 2: A 1 I bottle is half full. How many millilitres are there in the bottle?

Answer : 1 l = 1000ml
½ l = 500 ml
So, the bottle has 500 ml

Question 3: Convert the following lengths into centimetres:
1 m = 100 cm

- 16 m
  16 x 100 = **1600 cm**

- 45 m 50 cm
  45 x 100 + 50 = **4550 cm**

Question 4: Express as centimetres:
1m = 100 cm

- 12 m
  12 x 100 = **1200 cm**

- 152 m
  152 x 100 = **15200 cm**

- 16 dm
  16 x 100 = **1600 cm**

- 5 m 40 cm
  5 x 100 + 40 = **540 cm**

- 96 m 5 cm
  96 x 100 + 5 = **965 cm**

Question 5: Express as millimetres:
1 cm = 10 mm

- 19 cm
  19 x 10 = **190 mm**

- 73 cm
  73 x 10 = **730 mm**

- 8 cm
  8 x 10 = **8 mm**

- 97 cm 8 mm
  97 x 10 + 8 = **978 mm**

Question 6: Express as metres:
1 cm = 0.01 m
1 dm = 0.1 m

- 2,465 cm = **24.65 m**
- 73 dm = **7.3 m**
- 172 dm = **17.2 m**
- 483 dm = **48.3 m**
- 15 dm 5 cm = 1.5 + 0.05 = **1.55 m**

Question 7: Express as kilometres and metres:
1m = 0.001 km

- 8,560 m = **8.560 km**
- 9,567 m = **9.567 km**

Question 8: Express as centimetres and millimetres:
1 cm = 0.1 mm

- 37 mm = **3.7 mm**
- 83 mm = **8.3 mm**

Question 9: Add:

- 7 m 62 cm + 12 m 45 cm = **20m 07cm**
- 12 cm 6 mm + 25 cm 9 mm = **38cm 5mm**
- 2 cm 7 mm + 4 cm 9 mm = **7cm 9mm**
- 5 km 439 m + 16 km 851 m = **22km 290m**

- 78 km 126 m + 93 km 508 m = **171km 634 m**

Question 10: Subtract:

- 18 cm 4 mm - 7 cm 7 mm = **10 cm 4 mm**
- 86 cm 2 mm- 57 cm 5 mm = **28 cm 7 mm**
- 76 km 293 m - 38 km 508 m = **37 km 785 m**
- 125 m 12 cm - 68 m 56 cm = **56 m 56 cm**
- 37 km 832 m - 15 km 948 m = **21 km 884 m**

Question 11: Express as kg and g:
1 g = 0.001 kg

- 3,208 g = **32.08 kg**
- 12,670 g = **126.70 kg**
- 18,196 g = **181.96 kg**
- 8,005 g = **80.05 kg**
- 38,450 g = **384.50 kg**

Question 12: Answer the following questions:

- Kartik's doll weighs 2 kg 890 g and Manohar's doll weighs 3 kg 890 g. What is the weight of both the dolls?

Answer : Kartik's doll weighs = 2 kg 890 g
Manohar's doll weighs = 3 kg 890 g
Weight of both dolls = 6 kg 780 g

- The weight of a watermelon is 3 kg 425 g. The weight of a pineapple is 2 kg 530 g. By how much is the watermelon heavier?

Answer : The weight of a watermelon = 3 kg 425 g
The weight of a pineapple is = 2 kg 530 g
Watermelon is heavier by = 3 kg 425 g - 2 kg 530 g = 895 g

- Sanjay bought 100 kg of wheat for his family for a month. Out of this, the quantity of wheat consumed was 76 kg 450 g. What quantity of wheat was left?

Answer : Sanjay bought wheat for his family for a month = 100 kg
The quantity of wheat consumed = 76 kg 450 g
Quantity of wheat left = 100 kg - 76 kg 450 g = 23 kg 55 g

Question 13: Express as l and ml:
1ml = 0.001L

- 2,645 ml = **26.45 l**
- 45,673 ml = **456.73 l**
- 90,003 ml = **900.03 l**
- 56,210 ml = **562.10 l**
- 1,309 ml = **13.09 l**

Question 14: Express as ml:
1 l = 1000 ml

- 83 l = **83000 ml**
- 103 l = **103000 ml**
- 29 l 785 ml = 29000 + 785 = **29785 ml**
- 5 l 210 ml = 5000 + 210 = **5210 ml**
- 2 l = **2000 ml**

Question 15: Subtract:

- 63 l 156 ml - 34 l 475 ml = **28 l 681 ml**
- 60 l 708 ml - 18 l 619 ml = **42 l 089 ml**
- 8 l 425 ml - 3 l 720 ml = **4 l 705 ml**
- 18 l 636 ml - 12 l 950 ml = **5 l 686 ml**

Question 16: Add:

- 12 l 490 ml + 15 l 540 m = **28 l 030 ml**
- 21 l 260 ml + 18 l 905 ml = **40 l 165 ml**
- 62 l 275 ml + 39 l 890 ml = **102 l 165 ml**
- 5 l 750 ml + 8 l 125 ml = **13 l 875 ml**

Question 17: 12,705 ml = **12** l **705** ml.

Question 18: 36 km = **36000** m = **0.036** cm.

Question 19: 75 mm = **7** cm **5** mm.

Question 20: 12 kg 10 8 g = **12108** g.