

5th-grade metric conversion worksheet IV

1. Bianca ran for 1123 m. Find the distance covered by her in millimeter.



2. Carter bought a rope of length 1263 m, find the length of the rope in cm.
3. Fill in the blanks with the appropriate conversion:
98616 cm = ___ millimeter
4. Ronald is serving his friends 7 cups of punch. Find out how many milliliters of punch each cup carries if the total amount of punch is 1.4L.
5. Distance between the two cities is 719 km. Find the distance between the two cities in meters.

6. Aaron measured his weight and found it to be 72.94kg. He wants to know his weight in g. Can you help him in finding?

7. Fill in the blanks with the appropriate conversion:
___ g = 781 kg 926g

8. Fill in the blanks with the appropriate conversion:
 $26 \text{ kg} + 9227 \text{ g} + 9262 \text{ kg} = \text{___ g}$

9. Kyle wants to know which is greater, 560 kg or 560000g. Can you help him find out?



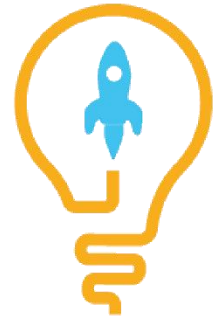
10. Jack wants to add 625 l with 2568 ml and 297 l. Find out the result in ml.

ANSWERS

1. 1123000 mm	2. 126300 cm
3. 120 mm	4. 200 milliliters
5. 719000 m	6. 72940 g
7. 781926 g	8. 9297227 g
9. 560 kg = 560000g.	10. 924568

SOLUTIONS

Complete solution/explanation



1. Using, $1\text{m} = 1000\text{ mm}$
 $1123\text{ m} = 1123 \times 1000\text{ mm}$
 $\Rightarrow 1123\text{ m} = 1123000\text{ mm}$
2. Using, $1\text{m} = 100\text{ cm}$
 $1263\text{ m} = 126300\text{ cm}$
3. Using, $1\text{cm} = 10\text{ mm}$
 $98616\text{ cm} = 98616 \times 10\text{ mm}$
 $\Rightarrow 98616\text{ cm} = 986160\text{ mm}$
4. Using, $1\text{L} = 1,000\text{ milliliters}$,
Multiply 1.4 liters by 1,000
We get, $1.4 \times 1,000 = 1400\text{ milliliters}$
He splits the punch evenly among 7 glasses.
Hence, $1400 \div 7 = 200$
Each cup carries 200 milliliters.
5. Using, $1\text{km} = 1000\text{ m}$
 $719\text{ km} = 719 \times 1000\text{ m}$
 $\Rightarrow 719\text{ km} = 719000\text{ m}$
6. Using, $1\text{kg} = 1000\text{ g}$
 $72.94\text{ kg} = 72.94 \times 1000\text{ g}$
 $\Rightarrow 72.94\text{ kg} = 72940\text{ g}$
7. Using, $1\text{kg} = 1000\text{ g}$
 $781\text{ kg} = 781 \times 1000\text{ g}$
 $\Rightarrow 781\text{ kg} = 781000\text{ g}$
Now, $781\text{ kg } 926\text{ g} = 781000\text{g} + 926\text{g}$
 $781\text{ kg } 926\text{ g} = 781926\text{g}$

8. Using, $1\text{ kg} = 1000\text{ g}$
 $26\text{ kg} = 26 \times 1000\text{ g}$
 $\Rightarrow 26\text{ kg} = 26000\text{ g}$
Similarly, $9262\text{ kg} = 9262000\text{ g}$
Now, $26\text{ kg} + 9227\text{ g} + 9262\text{ kg} = \text{--- g}$
 $26\text{ kg} + 9227\text{ g} + 9262\text{ kg} = 26000\text{ g} + 9227\text{ g} + 9262000\text{ g}$
 $26\text{ kg} + 9227\text{ g} + 9262\text{ kg} = 9297227\text{ g}$

9. Using, $1\text{ kg} = 1000\text{ g}$
 $560\text{ kg} = 560 \times 1000\text{ g}$
 $\Rightarrow 560\text{ kg} = 560000\text{ g}$
Clearly, 560000 g is equal to 560000 g .
Hence, $560\text{ kg} = 560000\text{ g}$.

10. Using, $1\text{ l} = 1000\text{ ml}$
 $625\text{ l} = 625 \times 1000\text{ ml} = 625000\text{ ml}$
 $297\text{ l} = 297000\text{ ml}$
 $\Rightarrow 625\text{ l} + 2568\text{ ml} + 297\text{ l} = 625000 + 2568 + 297000$
 $\Rightarrow 625\text{ l} + 2568\text{ ml} + 297\text{ l} = 924568\text{ ml}$

FUN FACT

- 1) The word mile originates from the Latin term "mille passus," that means "a thousand paces."
- 2) Parsec is a unit used in astronomy to measure great distances between stars.
- 3) Do you know, the distance from Earth to moon is about 238,855 miles!

