



F. Complete the division table.

Number	$\div 10$	$\div 100$	$\div 1000$
<b>9</b>	0.9	0.09	0.009
<b>21</b>	2.1	0.21	0.021
<b>987</b>	98.7	9.87	0.987
<b>5001</b>	500.1	50.01	5.001

**G. Conversion of Measurements.**

<b>1 Kilometers = 1000 Meters</b>	<b>1 Liter = 1000 milliliters</b>	<b>1 Kilogram = 1000 gram</b>
<b>1 meter = 100 cm</b>	<b>0.1 Centimeter = 1 millimeter</b>	<b>1 Centimeter = 0.01meter</b>

Find the equivalent measures.

- |                            |                              |
|----------------------------|------------------------------|
| 1) 20km = <u>20,000</u> m  | 2) 0.09 m = <u>9</u> cm      |
| 3) 77 m = 0.077 km         | 4) 0.04km = 4,000 cm         |
| 5) 0.18m = 0.00018 km      | 6) 5 km = 5000 m             |
| 7) 0.07 km = 70m           | 8) 7.4 kg = 7,400 g          |
| 9) 0.08kg = 80g            | 10) 3g = 0.003kg             |
| 11) 5g = 0.005kg           | 12) 18kg = 18,000g           |
| 13) 8.3kg = 8,300 g        | 14) 5.001 L = <u>5001</u> ml |
| 15) 9.3 kg = <u>9300</u> g | 16) 2.002 kg = <u>2002</u> g |

Express each answer in decimals.

- |                     |                      |
|---------------------|----------------------|
| 1) 88 m = 0.088 km  | 2) 360 m = 0.36 km   |
| 3) 1060 g = 1.06kg  | 4) 70g = 0.07kg      |
| 5) 9ml = 0.009 L    | 6) 90 mm = 9.0 cm    |
| 7) 3000 mm = 300 cm | 8) 8542 cm = 85.42 m |
| 9) 2 cm = 0.02 m    | 10) 33 cm = 0.33 m   |

Work Problems: Show your work for partial credit!

1. A pack of dog food that weighs 5 kg cost \$20. A smaller pack of dog food that is 500 g costs \$2.50. Which one has better value?

The bigger pack costs \$4 per kg.  
The smaller pack costs \$5 per kg.  
The 5-kg pack is better value.

2. Broomy saved some money. He used the money to buy 21 cards and had \$324 left. If each card cost \$33.15, how much money did Broomy have at first?

$21 \times \$33.15 = 696.15$   
Total cost of 21 cards was \$696.15  
 $\$696.15 + \$324 = \$ 1020.15$  at first

3. How many 30-g flower pots can a 6-kg pack of soil fill up?

6 kg = 6000 g  
A 6-kg pack of soil can fill up 200 flower pots.

4. In a Bubble tea factory, a machine dispenses 88.99 liters of black tapioca per minute. How much tapioca can the machine dispense in 120 minutes?

$88.99 \times 120 = 10678.8$

Ans: the machine can dispense 10678.8 black tapioca per minute in 120 minutes.

5. Abby is packing to move to another apartment down the hall. She packed 24 boxes. Each box can hold up to 8 lb. The trolley she is using to move can take up to 32 lb. How many trips does it take her to move if she only has one trolley?

$24 \times 8 \div 32 = 6$   
She needs to take 6 trips.

6. Katrina's yard is rectangular. One side of the yard is 50 feet wide. The total area of the yard is 6,000 square feet. What is the length of the other side of the yard?

Area = length X width.  $6000 / 50 =$

Ans: 120 The other side

7. The height of the BFG giant is 7.828 kilometers. The height of the mysterious green man is 1711 meters shorter than that of the BFG giant. Find their total height in kilometers.

$$7.828 \text{ km} = 7828 \text{ m}$$

$$7828 - 1711 = 6117$$

The height of mysterious green man is 6117

$$7828 + 6117 = 13945$$

Their total height is 13.945 kilometers