

Weight conversion tables (metric)

Grade 5 Measurement Worksheet

Complete the table by converting the units of weight.

$$1 \text{ kg} = 1,000 \text{ g} = 100,000 \text{ cg} = 1,000,000 \text{ mg}$$



kg		0.375				
g	400				210	
cg			5,300			7,000
mg				88,000		

Answer the word problems.

- A recipe requires 400 g of flour. How much is this in milligrams? _____
- Sam's laptop weighs 2.1 kg. What is the weight in grams? _____
- The mass of the fruit basket is 6.75 kg. What is the mass in milligrams? _____
- A dog has a mass of 48 kg. What is the mass of 3 similar dogs in centigrams? _____
- Amy bought tomatoes with a weight of 3,770 g and potatoes with a weight of 5,000 g. What is the total weight in kilograms? _____

Answers

$$1 \text{ kg} = 1,000 \text{ g} = 100,000 \text{ cg} = 1,000,000 \text{ mg}$$

kg	0.4	0.375	0.053	0.088	0.21	0.07
g	400	375	53	88	210	70
cg	40,000	37,500	5,300	8,800	21,000	7,000
mg	400,000	375,000	53,000	88,000	210,000	70,000

1. A recipe requires 400 g of flour. How much is this in milligrams? 400,000 mg
2. Sam's laptop weighs 2.1 kg. What is the weight in grams? 2,100 g
3. The mass of the fruit basket is 6.75 kg. What is the mass in milligrams? 6,750,000 mg
4. A dog has a mass of 48 kg. What is the mass of 3 similar dogs in centigrams? 14,400,000 cg
5. Amy bought tomatoes with a weight of 3,770 g and potatoes with a weight of 5,000 g. What is the total weight in kilograms? 8.77 kg