

Conversion table

t to kg	× by 1 000	mg to g	÷ by 1 000
kg to g	× by 1 000	g to kg	÷ by 1 000
g to mg	× by 1 000	kg to t	÷ by 1 000

Interesting facts!

- ▶ 1 mg is the approximate mass of a note of money.
- ▶ 1 g is the approximate mass of a drinking straw.
- ▶ An average sized bag of tomatoes weighs about 1 kg.
- ▶ The average weight of a bull is about 1 ton.



Worked Examples



1. If a recipe requires 1,2 kg of flour, how many grams of flour will you need?
To convert kg to g, multiply by 1 000.
 $\therefore 1,2 \text{ kg} = 1,2 \times 1\,000 = 1\,200 \text{ g}$
2. If an apple weighs 450 mg what is its weight in grams?
To convert mg to g, divide by 1 000.
 $\therefore 450 \text{ mg} = 450 \div 1\,000 = 0,45 \text{ g}$
3. An elephant at a zoo weighs 2,1 tons. How much does it weigh in grams?
First to convert t to kg, multiply by 1 000.
 $\therefore 2,1 \text{ t} = 2,1 \times 1\,000 = 2\,100 \text{ kg}$
Then to convert kg to g, multiply by 1 000
 $\therefore 2\,100 \text{ kg} = 2\,100 \times 1\,000$
 $= 2\,100\,000 \text{ g}$
4. A pea weighs 1 628 mg. How much is this in kg?
First to convert mg to g, divide by 1 000.
 $\therefore 1\,628 \text{ mg} = 1\,628 \div 1\,000 = 1,628 \text{ g}$
Then to convert g to kg, divide by 1 000.
 $\therefore 1,628 \text{ g} = 1,628 \div 1\,000$
 $= 0,001628 \text{ kg}$