

Challenge:

I eat 35g of breakfast cereal every morning. How many kilograms of breakfast cereal do I eat in 10 days?

$$35\text{g} \times 10 = 350\text{g} \quad 350 \div 1000 = 0.35$$

Answer: 0.35kg

Challenge: 1 tablespoon is 15ml. For the flapjack recipe, 6 tablespoons of golden syrup are needed. How much golden syrup is this in litres?

$$15 \times 6 = 10 \times 6 + 5 \times 6 = 60 + 30 = 90$$

$$90 \div 1000 = 0.09$$

Answer: 0.09ml

Challenge:

One stair climb is 668cm in my house. If I did 20 stair climbs every day, how far would this be in km?

$$668\text{cm} \times 20 = 668 \times 2 \times 10 = 1336\text{cm}$$

$$1336 \text{ cm} \div 100 = 13.36$$

$$1336\text{cm} = 13.36\text{m}$$

$$13.36 \div 100 = 0.1336$$

$$13.36\text{m} = 0.1336\text{km}$$

Answer: 0.1336km