

# Measure, Compare, Add and Subtract Mass

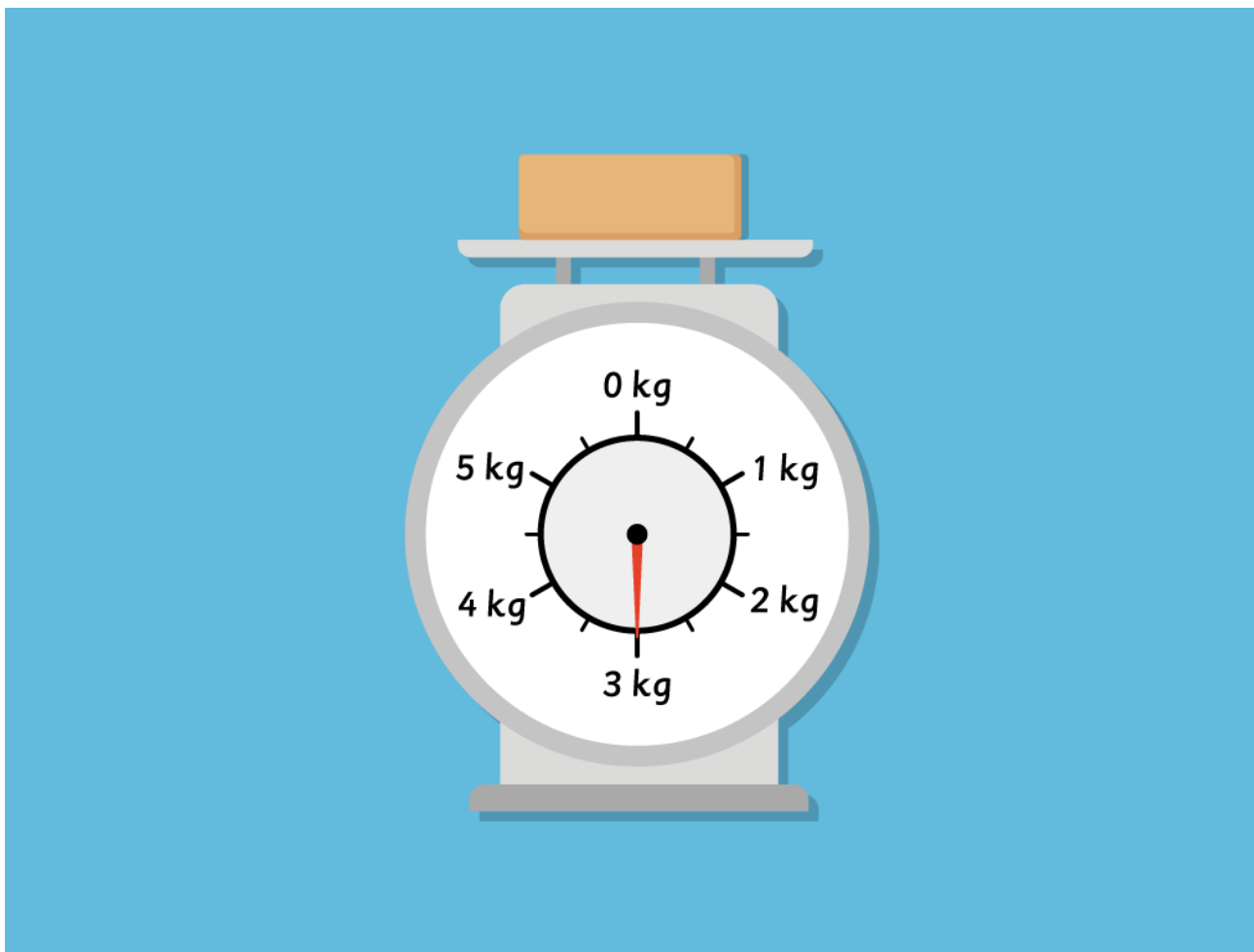
Learning objective: I can measure, compare, add and subtract mass in kilograms and grams.



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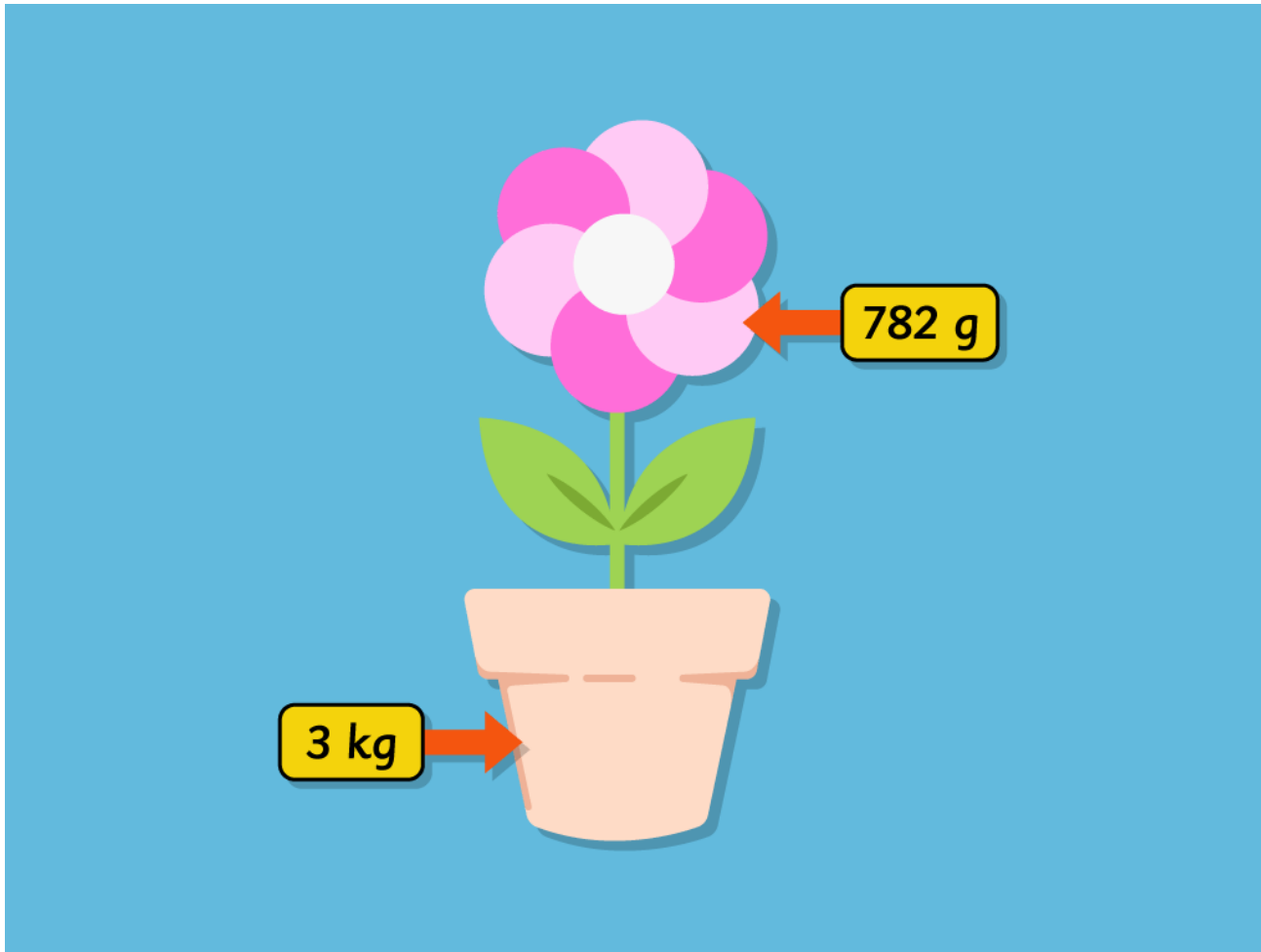
What is the mass of the brick in grams (g) and in kilograms (kg)?



Jade weighs 3,100 grams (g) when she is born and Jonny weighs 4 kilograms (kg). How much heavier is Jonny in grams?



A plant pot weighs 3 kilograms (kg) and a plant weighs 782 grams (g). What is the total mass of the plant pot and the plant in grams?



Paul says, "1 kilogram plus 30 grams equals 130 grams."  
What has Paul done wrong?

The diagram illustrates a common unit conversion mistake. It shows two parallel calculations. On the left, the correct conversion is shown: 1 kg is equal to 1000 g, and 30 g is added to it, resulting in 1030 g. On the right, the incorrect conversion is shown: 1 kg is incorrectly equal to 100 g, and 30 g is added to it, resulting in 130 g. A cartoon boy stands next to the incorrect result, highlighting the error.

1 kg	=	_____ g
+		+
30 g	=	_____ g
↓		↓
1030 g		130 g

Andy weighs parcel A on the weighing scale. He then adds parcel B to the weighing scale and balances it with weights. How much heavier is parcel A than parcel B in grams (g)?



# ANSWERS

Slide 4 = 3 kg

Slide 5 = 900 g

Slide 6 = 3,782 g

Slide 7 = Paul has converted 1 kg to 100 g instead of 1,000 g.

Slide 8 = 395 g