

Deepen Activities

1 a) Match each item to the most appropriate weight range.

chicken	0 g to 1,000 g
car	1 kg to 10 kg
child	10 kg to 50 kg
adult	50 kg to 150 kg
mouse	1,000 kg to 2,000 kg

b) What is the maximum and minimum weight for each of these pairs of items?

one car + one adult	one child + one mouse
one mouse + one chicken	two children + one chicken

c) Think of three more items in each weight range.

2 Choose ten items in your classroom.

a) Weigh each item in grams using scales. Convert the weight of each item to kg.

b) Put the weights in order from lightest to heaviest.

c) What is the difference in weight between the lightest item and the heaviest item?

3 2,630 g can be shown as:

$$2 \text{ kg} + 600 \text{ g} + 30 \text{ g} \qquad 2 \text{ kg} + 500 \text{ g} + 100 \text{ g} + 20 \text{ g} + 10 \text{ g}$$

a) Show 2,630 g, 4,725 g and 7,431 g in five other ways.

b) What is the total amount for each of these partitions?

$$1 \text{ kg} + 1,000 \text{ g} + 1,000 \text{ g} + 300 \text{ g} + 20 \text{ g}$$

$$3 \text{ kg} + 2,000 \text{ g} + 700 \text{ g} + 300 \text{ g} + 50 \text{ g}$$

$$5 \text{ kg} + 1,000 \text{ g} + 800 \text{ g} + 400 \text{ g} + 80 \text{ g}$$