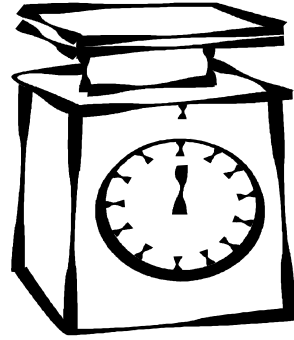


All that Rubbish!



Investigation

What is the ratio of the weight of different items to the weight of their packaging?

Method

- A) Split your item into two piles: 1) the useable item, 2) the packaging.
- B) Weigh each pile, rounding up to the nearest gram.
- C) Record your results in the table below, including the **simplest form** of the ratio

Lets recap ratios !

We need to find the ratio in its **simplest form**

Write 260:40 in its **simplest form**.

Solution

We look for a number that will divide into 260 and 40.

2 divides into both numbers, so 260:40 can be written as 130:20.

But these two numbers also divide by 2, so we can write the ratio as 65:10

Both these numbers also divide by 5 , so we can write the ratio 13:2

Nothing divides into 13 **and** 2, so 13:2 is the **simplest form** of the ratio.

Item of rubbish	Weight of item	Weight of packaging	Ratio in its original form	Ratio in its simplest form
Easter Egg	260g	40g	260:40	13:2

