

## Mass Problems

1. Dan weighs 2 watermelons. The first weighs 3300 grams and the second weighs  $4\frac{1}{2}$  kg. How much heavier is the second watermelon than the first? Answer in kg.
2. Gina weighs three different books. One weighs 250 grams, another 740 grams and the third  $1\frac{1}{2}$  kg. What is the total weight of the three books in grams?
3. A box of school text books arrives. The total weight of the box is 4kgs. There are 8 books per box. What is the weight of one text book? Give this weight in grams.
4. At the airport check in desk, my three suitcases weigh 8.5kg, 10.25kg and 12kg. What is their combined weight in kg?
5. A baker fills 7 bags with currant buns. One bag weighs 500 grams. What would be the total weight in kilograms?
6. What is 700 grams in kg?
7. If a sack of potatoes weighs  $1\frac{3}{4}$  kg, how many grams is this?
8. Freddy requires 0.25kg of flour for his recipe. How many grams is this?
9. Belinda needs to weigh out some flour. She accidentally pours too much on the scales. If she poured out 0.6kg but only required 490 grams, how much does she need to remove?

A recipe for a pasta dish requires 0.9kg of pasta for 8 people. Sally is cooking for 4 people. How much pasta will she need? Write your answer in grams.