Calculations with Mass

Adding and subtracting should be nothing new — the only difference here is they're units of mass. Careful though, you can't just add or subtract two units if one is in kilograms and the other is in grams.

Examples

Work out 450 g – 300 g.

450 – 300 = 150

So 450 g – 300 g = **150 g**

Isobel's rabbit eats 200 g of carrots.
Her horse eats 8 kg 500 g of carrots.
What mass of carrots do her animals eat in total?

500 + 200 = 700

So in total they eat **8 kg 700 g** of carrots.

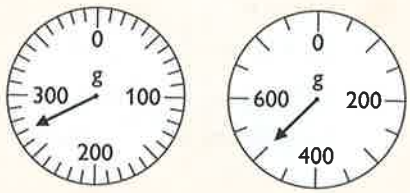


Set A

Work out:

1. 64 g + 30 g
2. 190 g – 60 g
3. 600 kg + 300 kg
4. 420 g – 200 g
5. 200 g – 40 g
6. 2 kg + 400 g
7. 1 kg – 300 g

Look at the two scales below.



8. What is the difference in mass between the two scales?
9. What is the total mass shown on the two scales?

Ian buys 40 g of tomatoes.
How much does Mike buy if he:

10. gets twice as much as Ian?
11. gets 5 times as much as Ian?

A sweetshop has 4 kg of jelly snakes. What mass of jelly snakes do they have if they:

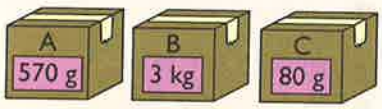
12. buy 600 g more?
13. sell 700 g?

Set B

Work out:

1. 250 g + 270 g
2. 450 kg + 69 kg
3. 1 kg + 500 g
4. 9 kg – 800 g
5. 3 kg 100 g + 700 g
6. 5 kg 800 g – 300 g
7. 14 kg 400 g – 6 kg 100 g

Look at these boxes.



How much heavier is:

8. box A than box C?
9. box B than box A?
10. What is the total weight of all three boxes?

11. A leopard weighs 52 kg. A gorilla weighs three times as much. How much does the gorilla weigh?

Sam's toy train is 1 kg 200 g and each carriage is 300 g. What is the total mass of:

12. the train and one carriage?
13. the train and two carriages?

Set C

Work out:

1. 380 g + 560 g
2. 405 kg – 90 kg
3. 7 kg – 400 g
4. 5 kg 200 g + 600 g
5. 8 kg 400 g + 2 kg 500 g
6. 5 kg 200 g – 300 g
7. 9 kg 100 g – 3 kg 200 g

Here are the masses of 3 rabbits.

Waffles	2 kg 100 g
Murphy	1 kg 500 g
Daisy	800 g

8. What is the total mass of Waffles and Daisy?

Find the difference in the masses of:

9. Murphy and Daisy.
10. Waffles and Murphy.

11. What mass is four times as heavy as 32 g?

Imran and Joan go blackberry picking. Imran picks 3 kg 250 g and Joan picks 1 kg 650 g.

12. How much do they pick in total?
13. How much more does Imran pick than Joan?

I can do calculations with mass.



© CGP 2017 — not to be reproduced, including photocopying or scanning