



# Calculate Mass

I can solve problems involving calculating mass.



1. Here is a table to show the mass of a baby from birth to 6 months:

Age	Mass (kg)
birth	2.8
1 month	3.7
2 months	4.9
3 months	5.1
4 months	5.8
5 months	6.5
6 months	6.9



Calculate the mass gain for the months shown. Show your working out.

a) between birth and 1 month

b) between 4 months and 5 months

c) between 2 months and 4 months



## Calculate Mass

2. On the first day that the old man weighed it, the enormous turnip had a mass of 500g. For the next 10 days, its mass increased by 200g each day and then it stopped growing. What was its mass (in kilograms) after it stopped growing?



# Calculate Mass Answers

1. Here is a table to show the mass of a baby from birth to 6 months:

Calculate the mass gain for the months shown. Show your working out.

a) between birth and 1 month

**0.9kg or 900g**

b) between 4 months and 5 months

**0.7kg or 700g**

c) between 2 months and 4 months

**0.9kg or 900g**

2. On the first day the old man weighed it, the enormous turnip had a mass of 500g. For the next 10 days, its mass increased by 200g each day and then it stopped growing. What was its mass (in kilograms) after it stopped growing?

**2.5kg**



# Calculate Mass

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1. Here is a table to show the mass of a baby from birth to 12 months:

Age	Mass (kg)
birth	3.5
1 month	4.1
2 months	4.9
3 months	5.8
4 months	6.1
5 months	6.8
6 months	7.2
7 months	7.6
8 months	8
9 months	8.3
10 months	8.7
11 months	9.1
12 months	9.7



Calculate the mass gain for the months shown. Show your working out.

a) between birth and 1 month



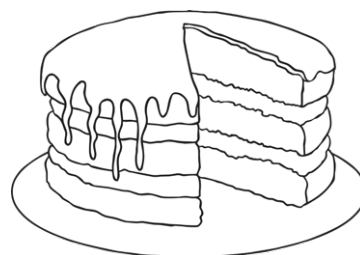
# Calculate Mass

b) between birth and 6 months

c) between 6 months and 12 months

2. Mrs Baxter is baking cakes for the school fete. She is cooking 6 large Victoria sponge cakes and 60 fairy cakes. She needs to buy flour to make the cakes. If flour is sold in 1kg bags, how many bags will she need to buy?

Cake	Amount of Flour Needed
Victoria sponge	250g per cake
Fairy cakes	120g for 10 cakes





# Calculate Mass Answers

1. Here is a table to show the mass of a baby from birth to 12 months:

Calculate the mass gain for the months shown. Show your working out.

a) between birth and 1 month

***0.6kg or 600g***

b) between birth and 6 months

***3.7kg or 3700g***

c) between 6 months and 12 months

***2.5kg or 2500g***

2. Mrs Baxter is baking cakes for the school fete. She is cooking 6 large Victoria sponge cakes and 60 fairy cakes. She needs to buy flour to make the cakes. If flour is sold in 1kg bags, how many bags will she need to buy?

***The cakes will need 2220g or 2.22kg of flour so Mrs Baxter will need to buy 3 1kg bags.***



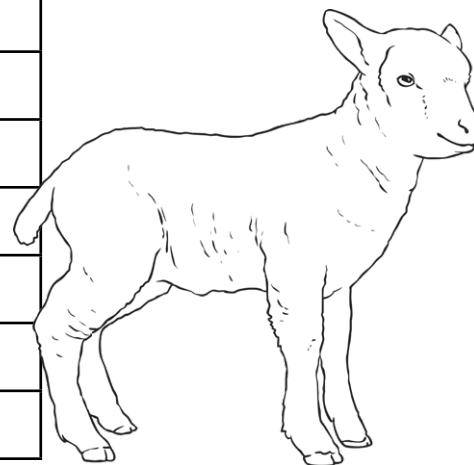
# Calculate Mass

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1. Here is a table to show the mass growth of a lamb from birth to 12 months:

Age	Mass (kg)
birth	1.6
1 month	4.9
2 months	6.1
3 months	7.3
4 months	8.7
5 months	10.4
6 months	11.3
7 months	12.7
8 months	13.5
9 months	14.8
10 months	15.9
11 months	16.3
12 months	17.5



Calculate the mass gain for the months shown. Show your working out.

a) between birth and 1 month



# Calculate Mass

b) between birth and 6 months

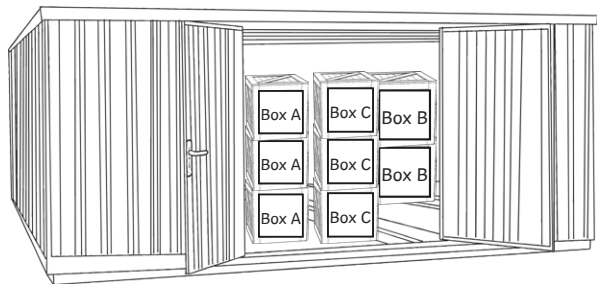
c) between birth and 1 year

d) Ahmed says that the baby gained more mass in its first 6 months than its second 6 months. Is he right? Explain how you know.

2. In a factory, a large container can hold smaller boxes weighing up to 40kg. There are 3 types of box, which have the masses shown:

Box A	Box B	Box C
2.5kg	5kg	3.75kg

One container already has the following in it: 3 × Box A; 2 × Box B; 3 × Box C.



Which of the following orders could also go into the container? Tick the correct answer:

1	2	3
1 × Box A 2 × Box B	1 × Box A 2 × Box C	1 × Box B 2 × Box C





# Calculate Mass Answers

1. Here is a table to show the mass growth of a lamb from birth to 12 months:  
Calculate the mass gain for the months shown. Show your working out.

a) between birth and 1 month

*3.3kg*

b) between birth and 6 months

*9.7kg*

c) between birth and 1 year

*15.9kg*

2. Which of the following orders could also go into the container? Tick the correct answer:

1	2	3
1 × Box A 2 × Box B	1 × Box A 2 × Box C ✓	1 × Box B 2 × Box C