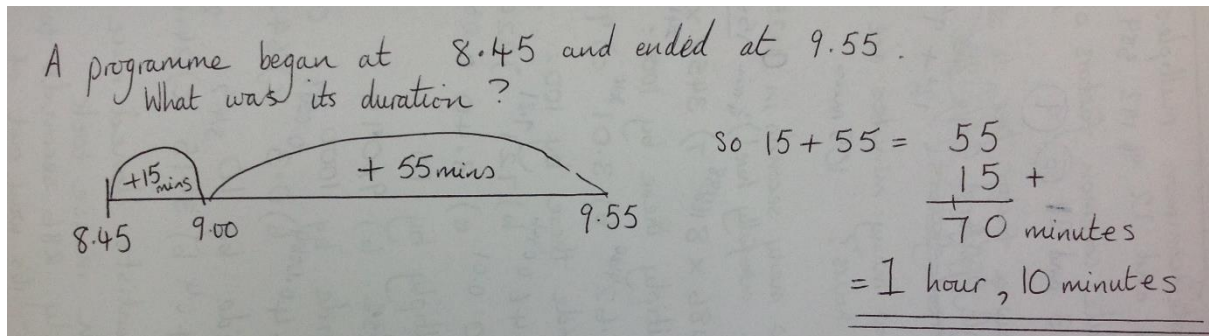


Y5 Wed. 1<sup>st</sup> July

Today you will solve more problems.

It will help if you have 3 types of measurements to convert them all to the same unit of measure e.g 3kg and 0.8 kg and 650 grams. Would it be easier here to convert them all to grams or to kg using a decimal? However, if you converted to kg to calculate and the answer specifically asked for the result in grams you must present the final answer in grams. Read questions carefully.

Empty number lines help with time duration problems like this:



SECTION A 1)

- a) I have a piece of string that is **2m** long. I need pieces of string that are **25cm** long. How many pieces can I cut?
- b) Three items weigh **1kg**, **250g** and **0.5kg**.  
What is the total mass of the three items?
- c) A runner ran **500m** every day for **20** days.  
How much further than **6km** did he run in total?
- d) There are **2.2kg** of sugar in a bag.  
How many grams are there in **5** bags?

2. Solve these problems.

- a) A cake went in the oven at **10:25** a.m. and came out at **11:15** a.m. How long was it in the oven?
- b) A man went to work at **8:45** a.m. and finished at **5:15** p.m. How long was he at work?
- c) A girl went to sleep at **20:55** and woke at **07:05** the next morning. How long did she sleep for?

## SECTION B

I. Solve these problems.

- a) **46** eggs are put into boxes that each hold **6** eggs.  
How many boxes are needed?
- b) **46** eggs are put into boxes, that each hold **6** eggs.  
How many boxes will be full?
- c) A school has **£62** to buy netballs. Each ball costs **£4**.  
How many can they buy?
- d) I have **52** cakes. Each box holds **8** cakes.  
How many boxes do I need?
- e) **45** children are going on a school trip. Each car can  
carry **4** children. How many cars will be needed?
- f) A florist has **43** roses. She puts them into vases with  
**5** roses in each vase. How many full vases are there?
- g) Each page of a photo album holds **6** photos. What is the  
smallest number of pages that I need to hold **74** photos?

Scroll down for answers....

## ANSWERS

### SECTION A

1a) 8 pieces   b) 1,750 grams   c) 4km   d) 11,000 grams

2 a) 50 minutes   b) 8 and a half hours   c) 10 hours and 10 minutes

### SECTION B

1a) 8 boxes   b) 7 full boxes   c) 15 balls   d) 7 boxes   e) 12 cars   f) 8 full vases   g) 13 pages