

SQA Past paper questions

2024 - Paper 2 - Question 7(d)

Rab employed GreenPlant Gardeners to landscape the garden.

The company told Rab that 3 workers would take 10 days to landscape the garden.

The company were able to provide 2 extra workers.

All the workers work at the same rate.

They work Monday to Friday each week.

The work started on the morning of Monday 2 October.

Determine the date the work will finish.

3



Click [here](#) for video solution. 

2023 - Paper 2 - Question 5(c)

Colin had a new hot tub installed in his garden.

It normally takes a team of 4 workers 12 hours to complete the task.

The company sent an additional worker to help complete the task.

All workers work at the same rate.

The workers started at 08:00 and they took a 30 minute break for lunch.

Determine the time they finished installing the hot tub.

3



Click [here](#) for video solution. 

2022 - Paper 2 - Question 4(b)

The company receives an order for 100 sandwiches.

It takes 7 employees 44 minutes to make 100 sandwiches.

All the employees work at the same rate.

Calculate the time it would take

11 employees to make 100 sandwiches.

3



Click [here](#) for video solution. 

2022 - Paper 2 - Question 7(a)

Jamel keeps fish.

To make tap water safe for fish, a conditioner is added.



The volume of conditioner required is directly proportional to the volume of tap water.

5 ml of conditioner must be used for every 20 000 ml of tap water.

Calculate the volume of conditioner required for 14 litres of tap water.

2

Click [here](#) for video solution. 

2021 - Paper 1 - Question 11

George is planning to have his fence repainted.

Last year 3 painters painted the fence in 8 hours.

There will be 5 painters painting the fence this year.

All these painters work at the same rate.

They start painting at 09:30.

They will have a 40 minute break.



Calculate the time they will finish painting the fence. 4

Click [here](#) for video solution. 

2021 - Paper 1 - Question 14

A 240 g steak costs £3.84.

Complete the shelf label to show the price per kilogram. 2



240 g steak £3.84	equivalent to	1 kilogram _____
----------------------	---------------	---------------------

Click [here](#) for video solution. 

2019 - Paper 2 - Question 10(b)



The running track is to be resurfaced.

A resurfacing company has a team of 5 workers who can resurface a track of this size in 42 hours.

The resurfacing company are now able to provide 2 more workers to resurface this track.

All the workers work at the same rate.

Calculate the time it will now take to resurface the track. 3

Click [here](#) for video solution. 

2018 - Paper 2 - Question 5

Three tonnes of sheep food will feed 350 sheep for 18 days.

The number of sheep increases by 100.

How long will the same weight of food now last? 3



Click [here](#) for video solution. 