KS2 Study Club

Maths Week 9 Workbook

Questions

KS2 Study Club

Topics

Welcome to week 9 of your 10 week Study Club!

Every week you'll get a practice workbook to work through a range of topics, taken from our KS2 Maths Intermediate Course.
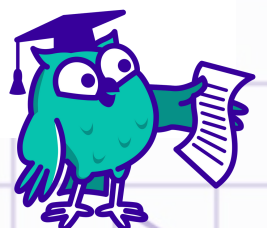
We've also included links to 2 of our expert tutorial videos on some of these exact questions. That way, if you get stuck, you can try watching one of our tutorial videos with our Maths expert Patricia. For <u>full access to all of the corresponding videos</u> sign up for a SchoolOnline subscription from £8.99 a month.

In next week's email we'll send you the answers to this workbook to download *PLUS* a brand new workbook to practice.

Your week 9 workbook topics are:

- Measure - including questions about Time and Temperature
- Word Problems - including questions on Ratio and Money

Measure 2

Time

14 Complete each sentence using a number **from the list below**.

120   240   600   1,440   3,600   6,000

There are [   ] seconds in an hour.

1 mark

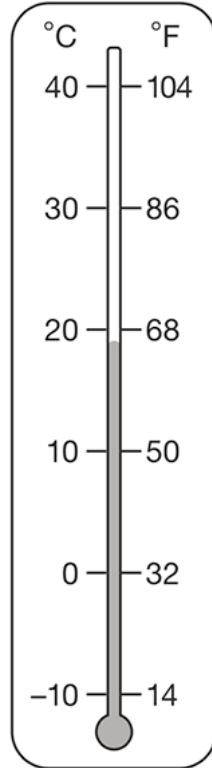There are [   ] minutes in a day.

1 mark

Temperature Problem

2016 Paper 2 Reasoning

15   This thermometer shows temperatures in both °C and °F.

°C		°F
40	—	104
30	—	86
20	—	68
10	—	50
0	—	32
−10	—	14

Work out what **25 °C** is in °F.

Show your method

°F

2 marks

Arithmetic Problem

2016 Paper 2 Reasoning

11 A packet contains 1.5 kg of oats.

oats

1.5 kg

Every day Maria uses 50 g of oats to make porridge.

How many days does the packet of oats last?

Show your method

days

2 marks

Diameter/Radius

2017 Paper 3 Reasoning

11 A bicycle wheel has a diameter of 64 cm.

What is the **radius** of the bicycle wheel?

cm

1 mark

Time - Problem

2018 Paper 3 Reasoning

21 Jack finished a sponsored run in 53 minutes 25 seconds.

Ally finished 3 minutes 50 seconds **after** Jack.

How long did Ally take?

min	sec

1 mark

Layla finished the run 8 minutes 45 seconds **before** Jack.

How long did Layla take?

min	sec

1 mark

Timetables

9

Here is part of the bus timetable from Riverdale to Mott Haven.

Riverdale	10:02	10:12	10:31	10:48
Kingsbridge	10:11	10:21	10:38	10:55
Fordham	10:28	10:38	10:54	11:11
Tremont	10:36	10:44	11:00	11:17
Mott Haven	10:53	11:01	11:17	11:34

How many minutes does it take the 10:31 bus from Riverdale to reach Mott Haven?

	minutes

1 mark

Mr Evans is at Fordham at 10:30

What is the **earliest** time he can reach Tremont on the bus?

1 mark

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Expert tutorial

**Key stage 2 Mathematics
Paper 3: reasoning** | **14**   60 seconds

Complete each sentence using a
number **from the list below.**

120 240 600 1,440 3,600 6,000

Click to play!

...here are

There are

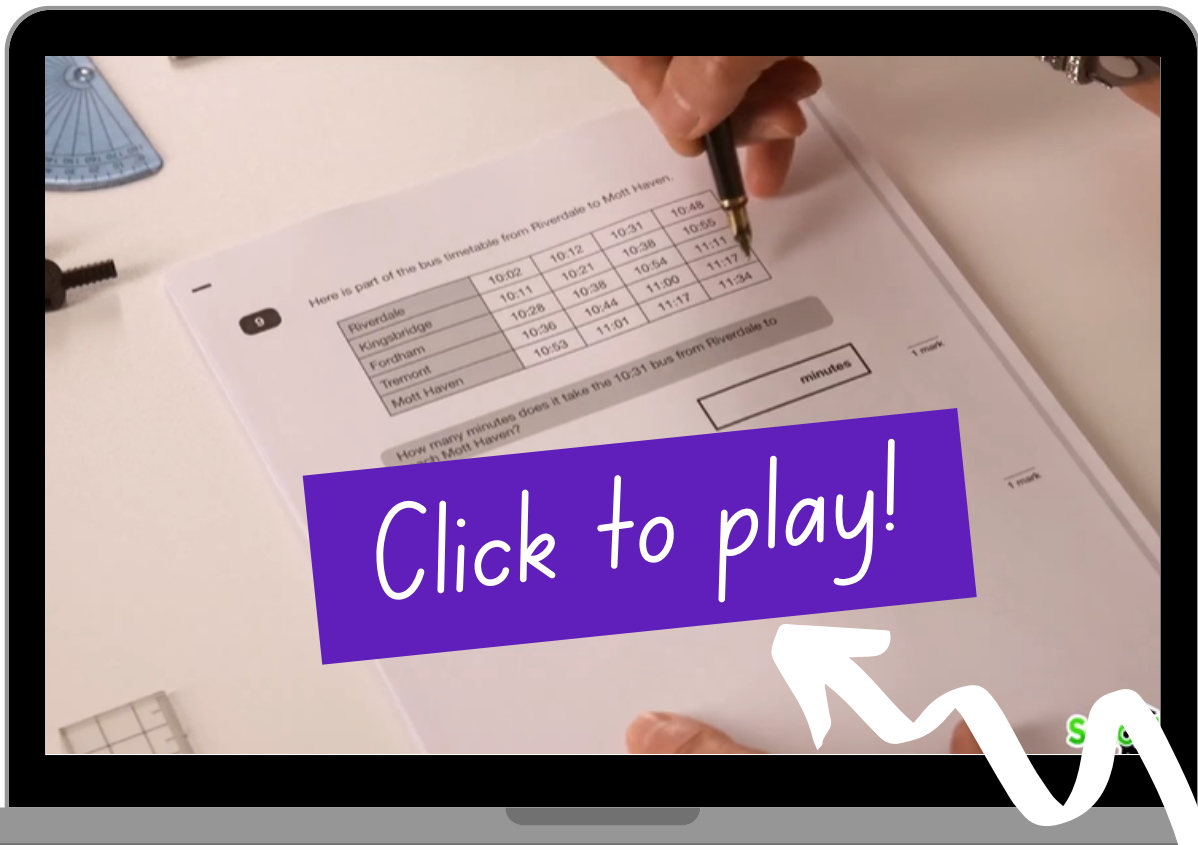**Need some extra help? That's what we're here for!**

In this video Patricia will explain how to answer the first question
in the Measure section of your workbook which looks at time (Q14).

Grab your pen and paper and remember to take notes! If you
want more access to awesome videos like this, **sign up for a full
SchoolOnline subscription here.**

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Click to play!

Need some extra help? That's what we're here for!

In this video Patricia will explain how to answer the last question in the Measure section of your workbook which looks at a timetable question (Q9).

Grab your pen and paper and remember to take notes! If you want more access to awesome videos like this, sign up for a full SchoolOnline subscription here.

NOTES

Word Problems

Ratio - Problem

14 Amina planted some seeds.

For every 3 seeds Amina planted, only 2 seeds grew.

Altogether, 12 seeds grew.

How many seeds did Amina **plant**?

1 mark

Money - Problem

13 Ally and Jack buy some stickers.

Pack of 12 stickers
£10.49

12 stickers
99p each

Ally buys a pack of 12 stickers for £10.49

Jack buys 12 single stickers for 99p each.

How much more does Jack pay than Ally?

Show your method

£

2 marks

Time/Mass Problem

11   Here is a rule for the time it takes to cook a chicken.

> **Cooking time = 20 minutes plus an extra
> 40 minutes for each kilogram**

How many minutes will it take to cook a 3 kg chicken?

minutes

1 mark

What is the mass of a chicken that takes 100 minutes to cook?

kg

1 mark

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