

Maths Year 5

It is not necessary to print off
this document for your child's
distance learning.

WEEK COMMENCING

22.06.20

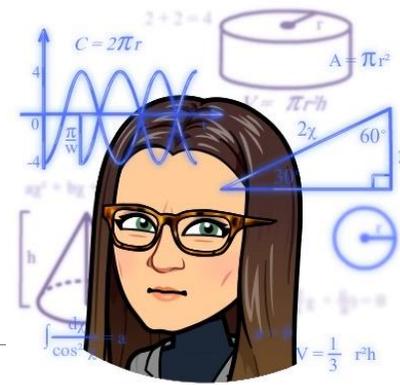
[Click here for 'catch up' day suggestions](#)



Your schedule for the week:

Group	Monday	Tuesday	Wednesday	Thursday	Friday
A	English: LIVE LESSON (introduction)	English: CGP writing p3-5 CGP Grammar p2-3 Reading comprehension	English: Questions on PowerPoint, CGP writing p6-7, CGP Grammar p6 &10	English: VIPERS, CGP Writing p.9-11, CGP Grammar p.12	Catch up day: -Finishing, Bug Club, Votes for Schools, music, discovery etc.
	Maths: CGP p.12, questions on PowerPoint	Maths: CGP p. 6, questions on PowerPoint	Maths: LIVE LESSON, CGP p.31 and follow-up on PowerPoint	Maths: bitesize https://www.bbc.co.uk/bitesize/articles/zbdwg7h and questions on PowerPoint	
B	Catch up day: -Finishing, Bug Club, Votes for Schools, music, discovery etc.	English: LIVE LESSON (introduction)	English: CGP writing p3-5 CGP Grammar p2-3 Reading comprehension	English: Questions on PowerPoint, CGP writing p6-7, CGP Grammar p6 &10	English: VIPERS, CGP Writing p.9-11, CGP Grammar p.12
		Maths: CGP p.12, questions on PowerPoint	Maths: CGP p. 6, questions on PowerPoint	Maths: Live lesson, CGP p.31 and follow-up on PowerPoint	Maths: bitesize https://www.bbc.co.uk/bitesize/articles/zbdwg7h and questions on PowerPoint

Additional challenge – multiply and divide by 10s



Find the value of the question mark:

- a) ? \times 0.5 = 500
- b) 0.5 \times ? = 50
- c) ? \times 100 = 50000
- d) ? \div 10 = 50
- e) 5.2 \div ? = 0.052
- f) ? \div 10 = 0.57

Put a cross by the calculations that are not correct:

- a) 57 \times 10 = 570
- b) 5.7 \times 10 = 5.70
- c) 0.57 \times 100 = 5.7
- d) 0.57 \div 10 = 00.57
- e) 0.57 \div = 0.0057
- f) 0.57 \div 1000 = 0.0057

Jane wins £7854. She wants to give herself and her nine siblings an equal share. How much do they each receive?



Daily 10 – Level 5 Doubles and Halves – complete one of each (6 activities)

Rob says “To multiply by 10, you should add one zero.”

Do you agree with Rob?
Explain your answer?

Click here for answers

ANSWERS!

Find the value of the question mark:

- a) $1000 \times 0.5 = 500$
- b) $0.5 \times 100 = 50$
- c) $500 \times 100 = 50000$
- d) $500 \div 10 = 50$
- e) $5.2 \div 100 = 0.052$
- f) $5.7 \div 10 = 0.57$

Put a cross by the calculations that are not correct:

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- b) $5.7 \times 10 = 5.70 \times$
- c) $0.57 \times 100 = 5.7 \times$
- d) $0.57 \div 10 = 00.57 \times$
- e) $0.57 \div = 0.0057$
- f) $0.57 \div 1000 = 0.0057 \times$

Rob says "To multiply by 10, you should add one zero."

Do you agree with Rob?
Explain your answer?

Rob is wrong!
Did you explain why?

Jane wins £7854. She wants to give herself and her nine siblings an equal share. How much do they each receive?

£785.40





Day 2

Today you will be solving some problems!

Group A – Tuesday
Group B - Wednesday

Before you try the problems on the next page, please complete **page 6 in your CGP book (written addition)**

Day 2

Today you will be solving some problems!

Group A – Tuesday
Group B - Wednesday

George is thinking of a 2-digit number



My number is in the 5 times table.



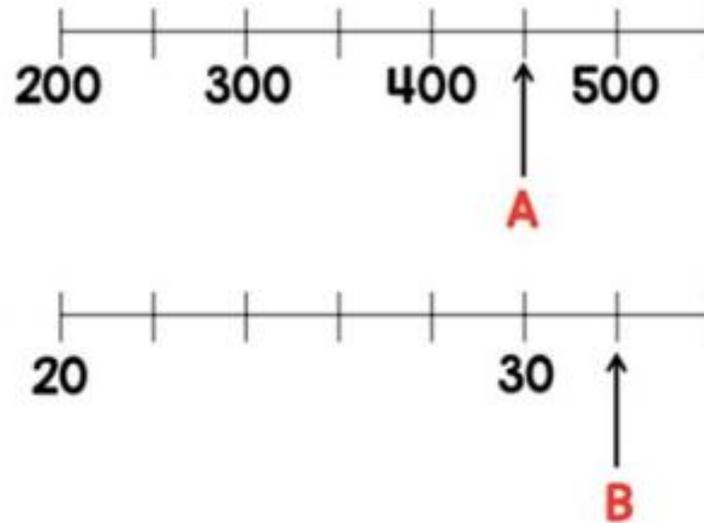
My number is less than 80



The sum of the digits is 9

What number is George thinking of?

Two numbers, A and B, are marked on the number lines.



Find the sum of A and B

Max buys a shirt and a jacket.



The jacket costs £25 more than the shirt. The total cost of the shirt and jacket is £87. How much does each item cost?

Day 2

The mass of 1 cube and 4 cones is 110g.

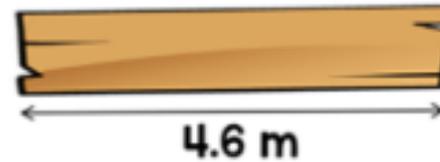


The mass of 1 cube and 2 cones is 72g.



What is the mass of 1 cube?

A plank of wood is 4.6 metres long.



These three lengths of wood are cut from the plank.

1.45 m

88 cm

1630 mm

What is the length of the wood left?

Day 3

Today is your **LIVE LESSON!**
See you at 10am, 11am or 1pm!





Welcome to your maths live lesson!



Please make sure you mute the microphone when told to do so and have your pen/pencil, ruler, rubber and paper ready!

Session outline

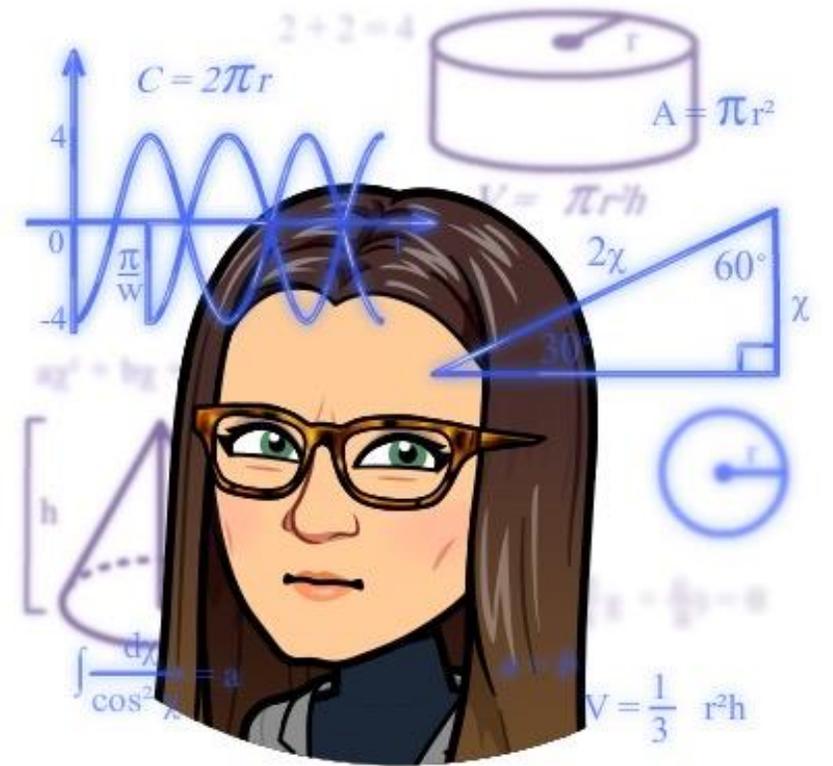
- ❖ Recap rules and expectations during our live lesson sessions
- ❖ Investigating timetables
- ❖ Problem-solving



Timetables

Where do you find them?

Why can timetables be tricky?



Timetables are really useful for things such as buses and trains. They often show times with the 24-hour clock. For example:

When does the 12:50 bus from Heath Hayes arrive at Burntwood?

Cannock	10:55	12:41	13:06	15:28
Heath Hayes	11:04	12:50	13:15	15:37
Norton Canes	11:09	12:55	13:20	15:42
Burntwood	11:18	13:04	13:29	15:51
Lichfield	11:36	13:22	13:47	16:09

Find the **12:50 bus** from Heath Hayes, and read down to the **Burntwood** row.

It's at **13:04**.

How long is the journey from Cannock to Heath Hayes?

Timetables are really useful for things such as buses and trains. They often show times with the 24-hour clock. For example:

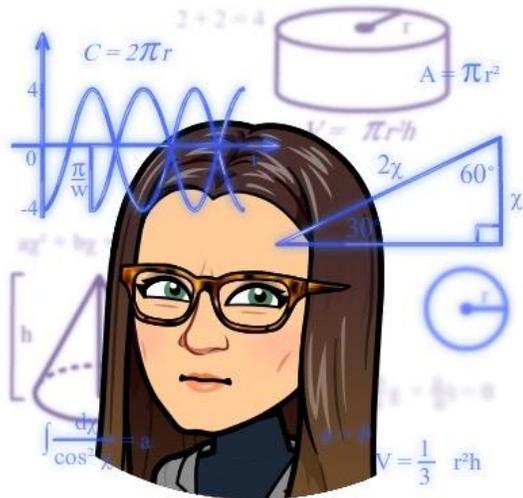
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How long is the journey from Cannock to Heath Hayes?

How would you use solve this problem? Think about how a number line could help work out or check your answer.



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It's at **13:04**.

How long is the journey from Cannock to Heath Hayes?



The journey from Cannock to Heath Hayes is 9 minutes

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Find the **12:50 bus** from Heath Hayes, and read down to the **Burntwood** row.

It's at **13:04**.

Rebecca takes the 12:55 bus from Norton Canes. She arrives at Lichfield at 13:22. How long was the journey?

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When does the 12:50 bus from Heath Hayes arrive at Burntwood?

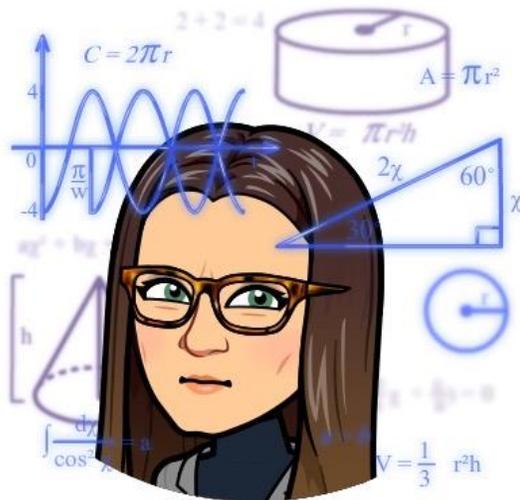
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It's at **13:04**.

Rebecca takes the 12:55 bus from Norton Canes. She arrives at Lichfield at 13:22. How long was the journey?

How would you use solve this problem? Think about how a number line could help work out or check your answer.



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Find the **12:50 bus** from Heath Hayes, and read down to the **Burntwood** row.

It's at **13:04**.

Rebecca takes the 12:55 bus from Norton Canes. She arrives at Lichfield at 13:22. How long was the journey?



The journey from Norton Canes to Lichfield was 27 minutes

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Find the **12:50 bus** from Heath Hayes, and read down to the **Burntwood** row.

It's at **13:04**.

Jason takes the 15:28 bus from Cannock. How long was the journey to Lichfield?

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Burntwood	11:18	13:04	13:29	15:51
Lichfield	11:36	13:22	13:47	16:09

Find the **12:50 bus** from Heath Hayes, and read down to the **Burntwood** row.

It's at **13:04**.

Jason takes the 15:28 bus from Cannock. How long was the journey to Lichfield?

A: 47 minutes

B: 37 minutes

C: 41 minutes

Additional questions:

Birmingham	15:42	16:30	17:02	19:51
Solihull	15:50	16:38	17:10	19:59
Warwick	16:01	16:49	17:21	20:10
Leamington	16:07	16:55	17:27	20:16
Canley	16:11	16:59	17:31	20:20

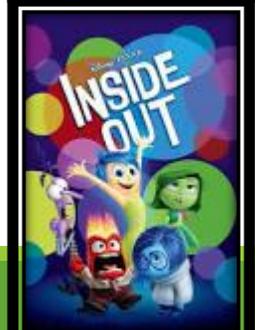
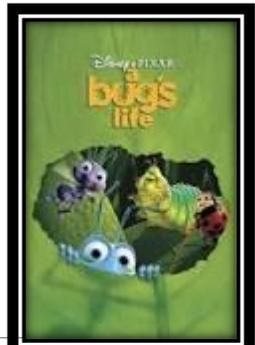
How long is the journey from Warwick to Canley?

The 19:51 train from Birmingham left 14 minutes late. What time did it arrive in Solihull?



Extension

A Bug's Life	Coco	Lego Movie	Inside Out
Duration: 95 mins	Duration: 109 mins	Duration: 101 mins	Duration: 102 mins
10:15	12:00	11:30	10:00
12:30	13:15	13:05	11:30
14:45	14:00	16:45	14:15
17:00	17:35		16:30
19:15	19:20		17:55
	21:10		



Julia watches Coco at 13:15. What time does the movie finish?

Clare wanted to see Inside out at 10:00 then the Lego Movie at 11:20. Can she see both?

How long is A Bug's Life in hours and minutes? What time would the 14:45 screening finish?

Day 3

This is the follow-up to your live lesson!

Group A – Wednesday
Group B – Thursday

❖ Complete p.31 in your CGP book

❖ Well done for your hard work today! If you're hungry for another activity, visit the Topmarks website for some maths games!



Day 4

Today is the follow-up to your live lesson!

Group A – Thursday
Group B - Friday

- ❖ Yesterday, we looked at timetables.
- ❖ Go to <https://www.bbc.co.uk/bitesize/articles/zbdwg7h>
- ❖ Complete the calculating time in football activity in your distance learning book

A

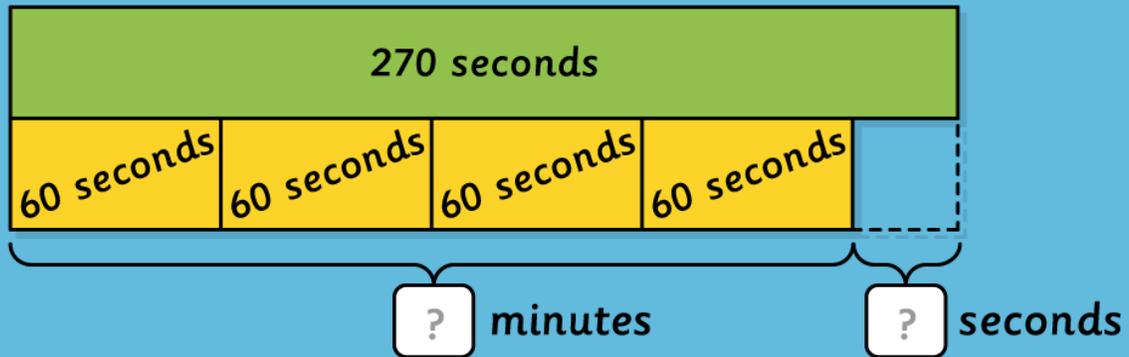
Whitney is driving from London to Edinburgh.
The drive takes 7 hours and 30 minutes.
She wants to arrive in Edinburgh before 3pm.



If she leaves at 7am, will she arrive in Edinburgh on time?
You must show your working.

Group A – Thursday
Group B - Friday

B



270 seconds is equal to . . .

- 2 minutes, 70 seconds.
- 4 minutes
- 4 minutes, 30 seconds.
- 5 minutes, 30 seconds.



Challenge 1

Group A – Thursday
Group B - Friday

Film	start	end
How to Train Your Fish running time: 135 minutes	18:55	?

A film starts at 18:55 and lasts for 135 minutes. What time does the film finish? *Give your answer in the 24-hour clock. For example, 13:45*



Challenge 2

Group A – Thursday
Group B - Friday

Name: Ashraf

1 year = 365 days

$$\begin{array}{r} 365 \\ \times 2 \\ \hline 730 \end{array}$$



There are 730 days in two years.

Ashraf says, "There are 365 days in a year, so there are 730 days in two years."

Is Ashraf's statement always true, sometimes true or never true? Explain your answer.



Challenge 3

Group A – Thursday
Group B - Friday

Duration of flights

route	duration
Glasgow to Toronto	8 hours 15 minutes
Manchester to Hawaii	16 hours 50 minutes
London to Los Vegas	9 hours 35 minutes

A plane takes off from Manchester to Hawaii at 9 p.m. The time in Hawaii is ten hours behind the time in Manchester. What time will it be in **Hawaii** when the plane lands? *Give your answer in the 24-hour clock. For example, 13:45.*

Catch-up Day!

- ❖ If you have not finished any of the maths activities this week, use your time today to catch up.
- ❖ If you have finished, use this extra time to work on:
 - Discovery
 - Votes for Schools
 - YUMU Charanga unit (music)