



Year 2 Maths Home Learning | Summer Term



Week Commencing 13th July

<https://www.bbc.co.uk/bitesize/tags/z7s22sg/year-2-lessons/1>

<https://whiterosemaths.com/homelearning/year-2/>

Maths



If you want to keep your mental maths skills sharp we have included an arithmetic quiz in the Week 12 Home learning folder (with answers!).

After watching the videos and doing the practice activities, have a go at these activities. Depending on your confidence choose Mild, Medium or Spicy. **Adults** we have now attached an answer sheet for all of the activities on this worksheet (year 2 home learning page, week 12, answers).

Remember that these activities are to work from, not on. There is no expectation to complete all of the work or to print worksheets off – children can work on paper if they want to write it down. It is also fine for your child to just say the answer, or for instance, where it says 'circle all of the number bonds' it's fine for them to simply point to them! ☺

Extensions – You may wish to deepen your learning by looking at the worksheets provided by the BBC too.

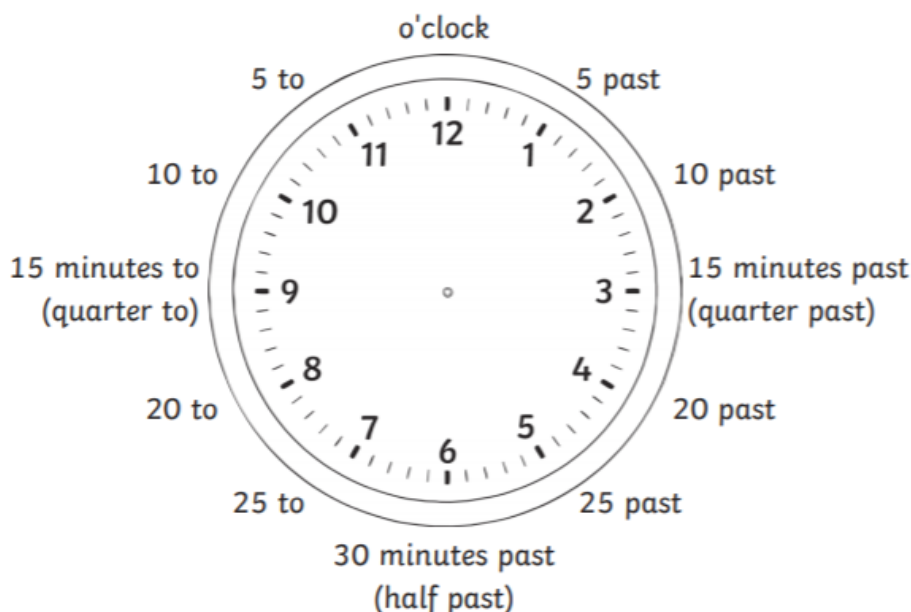
Monday

Time: Five Minutes

Children read and show analogue time to 5-minute intervals. Children should be confident at counting from 0 to 60 in steps of 5 so they can then apply this to counting around the clock in fives and use this method to work out what time is shown. Children need to recognise that once the minute hand gets past 6 the time is described as 'to' the next hour, rather than 'past' the hour.

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<https://whiterosemaths.com/homelearning/year-2/>



Mild

Using the diagram above, can you fill in the different times shown on the clocks.

	5 past 1
	past 1
	
	
	
	

	25 to 2
	to 2
	
	
	
	

Now have a go at telling the time on these clocks (remember you can use the diagram on the previous page to help you):



Have a go at playing this game with an adult. They can set the time for you and then you can tell them the correct time. If you keep practicing, you will get more and more confident!

<https://www.topmarks.co.uk/time/teaching-clock>

Medium

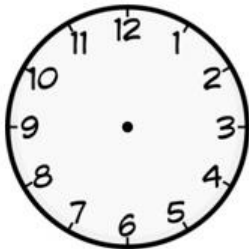
Work out what time is showing on each of these clocks. You can use the diagram at the start of this lesson to help you.

Write the time shown on each clock.

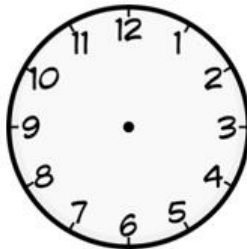


Write the time shown on each clock.

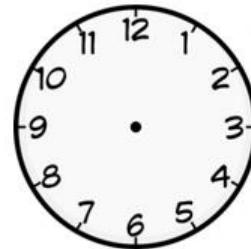
Now can you draw the correct time onto each of the clock faces.



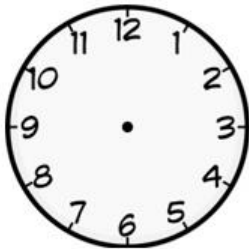
quarter past 8



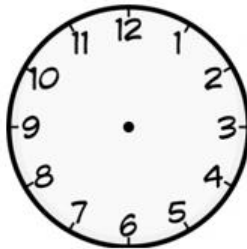
10 past 3



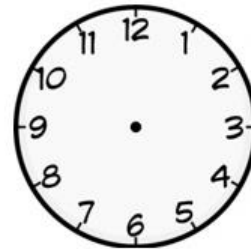
20 to 8



25 to 6



5 past 10



10 to 10

This poster shows the times of the dance lessons coming up on Saturday night.

jive	
twist	
boogie-woogie	
jitterbug	

Jodie has written down the times of the classes. Has she got them all right?

Jive - ten past 8
 Twist - ten to 8
 Boogie-woogie - twenty-five past 8
 Jitterbug - twenty past 9

Spicy

Work out what time is showing on each of these clocks. You can use the diagram at the start of this lesson to help you.





Arif and Jane start a dance-a-thon at 7 p.m.



Each dance lasts 5 minutes. The dance-a-thon finishes at 9:30 p.m. How many dances did they do? Explain how you found out.

Jack and Mo read the time on the clock.



It is quarter to 5

Jack



It is 15 minutes to 5

Mo

Who is correct? _____



Four lots of 5 minutes is the same as quarter of an hour.

Do you agree with Rosie? Explain why.

Tuesday

Time: Hours and Days

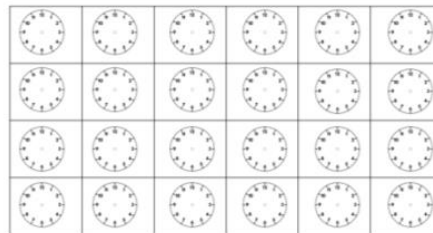
Children learn that there are 24 hours in a day and 60 minutes in an hour. Children should be encouraged to use their knowledge of counting in fives to help them convert.

<https://www.bbc.co.uk/bitesize/tags/z7s22sg/year-2-lessons/1>

<https://whiterosemaths.com/homelearning/year-2/>

Mild

Starting from midnight show every hour on the clocks for a full day.

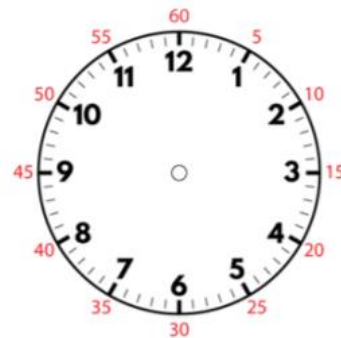


There are hours in a day.

Using the clock, show how many minutes there are in 1 hour.

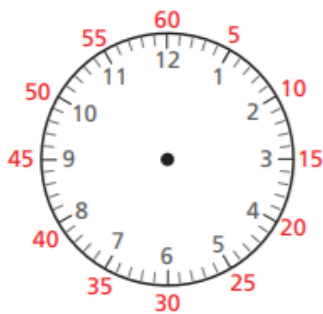
1 hour = _____ minutes

How many minutes would there be in 2 hours?



Complete the sentences.

You can use the clock to help you.



- There are minutes in 1 hour.
- There are minutes in half an hour.
- There are minutes in quarter of an hour.
- There are minutes in one and a half hours.

Complete the table.

60 minutes earlier	Time now	30 minutes later
3 o'clock		half past 4

Medium

True or false?

there are 60 minutes in 1 hour

1 minute is made up of 24 seconds

there are 30 minutes in half an hour

a quarter of an hour = 45 minutes

a quarter of an hour is 10 minutes

24 hours = 1 day

Diving into Mastery – Diving Adult Guidance with Question Prompts

Children use time facts they have learnt to help with this activity. They could use a clock to help them check certain facts.

How many minutes are in one hour?

How many seconds make up one minute?

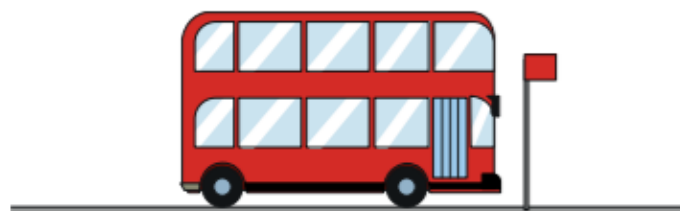
How many minutes are in a quarter of an hour/half an hour/ three quarters of an hour?

How can we use a clock to help us check?

How many hours are in one day?

Annie and her mum take the bus to Gran's house.

The bus ride takes one hour.



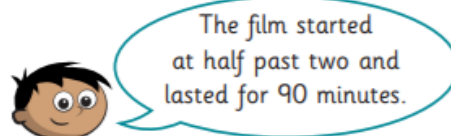
a) What time will Annie and her mum arrive if the bus leaves at 9 o'clock?

b) Annie and her mum get the bus home.

They get off the bus at quarter to 2

What time did they get on the bus?

Amir went to the cinema.



What time did the film end? _____

Match the bars to the times.

60 minutes

60 minutes 60 minutes

60 minutes

60 minutes 10

90 minutes

70 minutes

120 minutes

2 hours

1 hour

Spicy



Tommy

There must be 12 hours in a day because we start from midnight and go up to 12 o'clock then start again from 1



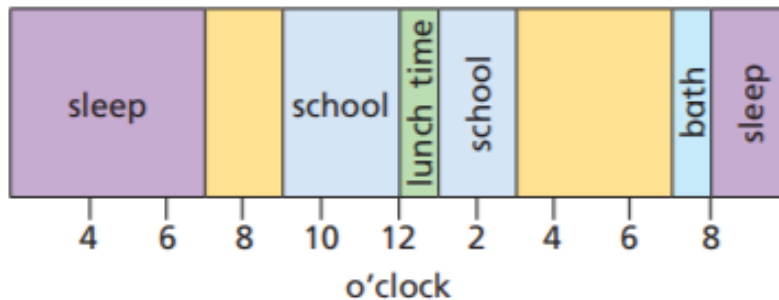
Rosie

If you add three hours onto the current time, the amount of minutes to/past the hour do not change.

Do you agree with Tommy? Explain why.

Do you agree with Rosie? Prove it.

The bar model shows a section of Dexter's day.



a) What time did Dexter go to bed?

b) What time did Dexter get up?

c) What do you think Dexter did between 7 o'clock and 9 o'clock in the morning?

d) What was Dexter doing at 6 o'clock in the morning?

e) What could Dexter have been doing at 6 o'clock in the evening?

These children all go to clubs on a Saturday morning. Use the clues to help work out which club they go to.

My club is 1 hour long.

My club lasts half an hour.

My club is three quarters of an hour.

My club lasts for a quarter of an hour.

Swimming 15 minutes 	Karate 60 minutes 	Art 30 minutes 	Football 45 minutes 
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Diving into Mastery - Deepest

Adult Guidance with Question Prompts

Children may want to use a clock to help them with this activity.

How many minutes are in one hour/half an hour/a quarter of an hour/three quarters of an hour?

Can you show me on your clock?

Which club matches that time?

Which is the longest activity?

Which is the shortest activity?

How do you know?

Wednesday

Time: Calculate Durations

Children identify the start and end time of an event. They use these times to work out how long an event lasted. Children should understand this is the duration of an event.

<https://www.bbc.co.uk/bitesize/tags/z7s22sg/year-2-lessons/1>

<https://whiterosemaths.com/homelearning/year-2/>

Mild

Match the events to the approximate times they happen.
Can you show the time on your clock?

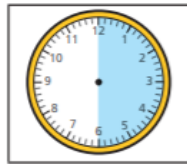
9 o'clock	Lunchtime
Half past 10	Go to school
12 o'clock	Home time
Half past 3	Playtime

What time is it?



It is past

1 Match the durations on the clocks to the labels.



15 minutes

40 minutes

5 minutes

half
an hour

2 Tick all the clocks that show a 30-minute duration.



3 Tick all the clocks that show a 15-minute duration.



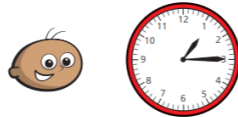
Medium

Complete the tables.

5 o'clock	

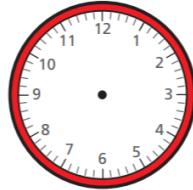
Half past 4	
1 o'clock	

Tommy sat down to play a game at quarter past 1



The game took 20 minutes.

Draw the hands on the clock to show what time the game finished.



Who is telling the time correctly?



The time is half past 6

Dora

The time is half past 3



Amir



The time is half past 2

Alex

Can you spot the mistakes they've made?

Start	Finish	Time Passed	Duration
			30 minutes
			10 minutes

Diving into Mastery – Diving

Adult Guidance with Question Prompts

Children may need a clock to help with this activity.

Can you shade an area of the blank clock to show how many minutes have passed?

How can you use that shading to work out the duration?

Can you use the duration to help you work out the start/finish time?

Spicy

- 5 The table shows information about some children's journeys to school.

Name of child	Left home	Arrived at school	Journey time
 Annie			30 minutes
 Alex			
 Jack			
 Mo			20 minutes
 Dexter			15 minutes

a) Complete the table.

b) Is each statement true or false?

Circle your answers.

Annie arrived at school first.

true false

Jack left home first.

true false

Mo and Dexter left home at the same time.

true false

Annie left home before Jack.

true false

Alex arrived at school after Jack.

true false

Make up your own true or false question

Whitney watched TV from 10 past 6 until quarter to 7



How long did she spend watching TV?

 minutes

It is half past 11 so the hour hand should be on the 11

Is Alex correct?
Explain your reasoning.



The films must all finish by half past 10.
What time do they need to start?



Film	Duration	Start Time
Detective Twinkl	2 hours	
The Twinkl Movie 2	2 $\frac{1}{4}$ hours	
Twinkl: The Return	1 hour 40 minutes	
Twinkl Maths Movie	2 hours 25 minutes	
Twinkl: Maths Master	3 $\frac{3}{4}$ hours	

Diving into Mastery – Deepest Adult Guidance with Question Prompts

Children may need a clock to help with this activity.

How long is the first film?

What time does it need to finish?

How could you work out the start time?

Thursday

Time: Compare Durations

Children compare times using 'longer' and 'shorter'. They order times from longest to shortest and vice versa. Children then compare durations of time taken by particular events.

<https://www.bbc.co.uk/bitesize/tags/z7s22sq/year-2-lessons/1>

<https://whiterosemaths.com/homelearning/year-2/>

Mild

Write <, > or = to compare the durations of time.

a) 50 minutes ○ 1 hour

b) quarter of an hour ○ 15 minutes

c) half an hour ○ 25 minutes

Circle the longest time.

1 hour	40 minutes	Half an hour
55 minutes	Three quarters of an hour	35 minutes

Can you order the times from longest to shortest?

Calendar Chaos



30 days has September,
April, June and November.
All the rest have 31,
Except for February alone,
Which only has 28 days clear,
And 29 in each leap year.

Complete these sentences.

The four months that have 30 days are _____.

The shortest month is _____.

March has _____ days.

The number of days in February is different
when it is a _____.

June has _____ days.

Diving into Mastery – Diving Adult Guidance with Question Prompts

Read the poem to the children.

Which months have 30 days?

Which month doesn't have 30 or 31 days?

What is a leap year? How often does it happen?

July isn't mentioned in this rhyme. How do we know how many
days it has?

Medium

Circle all the durations of time that are longer
than half an hour.

35 minutes



three-quarters of an hour

Circle all the durations of time that are shorter
than half an hour.

25 minutes



three-quarters of an hour

Use the table to complete the sentences.

TV Show	Starts	Ends
Pop World	3 o'clock	Twenty to 4
Animal Patrol	Half past 6	Five to 7
Super Cars	Quarter past 8	Five past 9

_____ is the shortest TV show.

_____ is longer than _____ and _____

Joe works from half past 10 until 3 o'clock.
Emma works from 9 o'clock until half past 12
Who works the longest amount of time?



July						
M	T	W	T	F	S	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Always, Sometimes, Never

July has 31 days.

July starts and finishes on the same day of the week.

July starts on a Wednesday.

July has five Thursdays.

Diving into Mastery – Deeper Adult Guidance with Question Prompts

It may be useful to have access to calendars for July from the current and next year for children to look at.

Is July the same length every year?

What day does July start in this example? What day does it finish? Could July ever start and finish on the same day of the week? Why not?

Do you think that July always starts on the same day every year? How could we check?

How many Mondays are in this example? How many Thursdays? Do you think this is the case every year? What causes this to change?

Spicy

Aisha and Kim both started their homework at 6 o'clock.



Aisha finished her homework at 25 past 6
Kim's homework took her 10 minutes longer.
What time did Kim finish her homework?

The children in Class 2 ran around the edge of the school field.

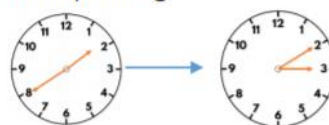
The table shows their start and finish times.

Name	Start time	Finish time
Tommy	10 past 2	half past 2
Amir	quarter past 2	half past 2
Dora	20 past 2	quarter to 3
Rosie	20 past 2	20 to 3

Use the information in the table to complete the sentences.

- _____ took the longest time.
- _____ took the shortest time.
- Tommy ran faster than _____.

The clocks show the start and end time of the film Super Dog.



The film Crazy Cat starts at quarter past 1 and ends at quarter to 3

Teddy says,



Super Dog must be the longest film, because it ends the latest.

Do you agree with Teddy?

Rosie has an hour for her lunch break.
If she takes 10 minutes to eat her lunch, does she have enough time to complete all of the playground activities?

Activity	Duration
Skipping	7 minutes
Ball skills	10 minutes
Treasure hunt	21 minutes
Trim trail	19 minutes

How do you know?

Calendar Chaos



Daisy says,

These three calendar pages show April, May and June.

Is she right?
Explain how you know.



Diving into Mastery – Deepest Adult Guidance with Question Prompts

Children may need a whole year calendar to help with this activity, e.g.

2019			
January	February	March	April
Mo Tu We Th Fr Sa Su 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	Mo Tu We Th Fr Sa Su 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	Mo Tu We Th Fr Sa Su 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	Mo Tu We Th Fr Sa Su 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
May	June	July	August
Mo Tu We Th Fr Sa Su 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	Mo Tu We Th Fr Sa Su 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	Mo Tu We Th Fr Sa Su 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	Mo Tu We Th Fr Sa Su 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
September	October	November	December
Mo Tu We Th Fr Sa Su 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	Mo Tu We Th Fr Sa Su 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	Mo Tu We Th Fr Sa Su 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	Mo Tu We Th Fr Sa Su 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

Which months have 30 days?

Which of those four months have another month between them?

Does the month in the middle have 31 days?

Is there more than one possible sequence of three months that could be represented like this? Which months?

Could Daisy be right? Could she be wrong? Can you explain?

Friday

Key Skills Quiz and Time Table Rock Stars

Quiz

Mild

14. A boy timed himself running a race. How many seconds did he take to finish?



15. How much altogether?



16. If tomorrow is Monday, then Sunday...
a. was yesterday
b. is today
c. is tomorrow.

17. What month comes **before** April?
a. February
b. May
c. March

18. What time does this clock show?



19. What is this shape?

- a. cuboid
- b. pyramid
- c. sphere



Medium/Spicy

21. **Estimate** the capacity of a glass. Write a, b or c.

- a. about 3 litres
- b. about 30 millilitres
- c. about 300 millilitres



22. How many two pence (2p) coins are the same value as a twenty pence (20p) coin?



23. Katie has sixty pence (60p). She spends forty-five pence (45p).

How much money does she have left?

24. Which is longest? Write a, b, or c.

- a. half an hour
- b. 40 minutes
- c. three quarters of an hour

25. Draw the hands to show

Ten minutes to six.



Times Table Rock stars

Have a go at your times tables on TTRockstars this week. Maybe you could battle with one of your friends? We can't wait to see how much your times tables have improved!



Times Table Rock Star Battle- We have organised a "battle" between each class in our year group. The start date is today and the finishing date is Friday 20th July so the results will be published that week on twitter. Get battling and lets see who wins!!!

Well done girls and boys, you have finished week 12 and it is now the end of the term. We are so proud of your efforts 😊