

If you still need some practise...

Continue practising telling the time by

- Having an adult regularly ask you the time on an analogue clock
- Using the Top Marks Teaching Clock to set the time

Switch Clock Type

PM

1 minute +

5 minutes +

10 minutes +

15 minutes +

30 minutes +

1 hour +

Time now Reset

Topmarks

Part 1: Telling the Time

Have a look at the following five pages with an adult.

You can choose to do the following:

Answer a few questions from each section on each page.

OR

Choose to do the pages you think you need more practise on.



This picture may help you with the work on the following pages.



w/b 6.4.20 Can I tell the time? (Y4)

This page does not need to be printed out. Please write the short date you do the work as well as the title 'Minutes past and to' at the top of the page in your maths books. Remember to write the question number too!

Minutes 'past' and 'to'

Time

D1

Write the number of minutes past each hour.

1.21



Write the number of minutes to each hour.

1.39



Write what time it is right now. Now look at the clocks in the questions. Which one is closest to the time now? Which is furthest away?

9 Write these times in order, between 4 o'clock and 5 o'clock.

10 minutes past 4

19 minutes past 4

11 minutes to 5

quarter to 5

26 minutes to 5

quarter past 4

20 minutes to 5

w/b 6.4.20 Can I tell the time? (Y4)

This page does not need to be printed out. Please write the short date you do the work as well as the title 'Reading the time' at the top of the page in your maths books. Remember to write the question number too!

D1 Time

Reading the time

Write the time on each clock using 'past' or 'to'.

1. 27 minutes past 2

Write the digital time to match each clock.

1. 2:27

Write these digital times:

6. 10 minutes later than

7. 10 minutes earlier than

8. 20 minutes later than

9. 20 minutes earlier than

10. 25 minutes earlier than

11. 15 minutes earlier than

Write the time you wake up. Write the time you go to sleep. How long are you awake for? How long are you asleep for?

w/b 6.4.20 Can I tell the time? (Y4)

This page does not need to be printed out. Please write the short date you do the work as well as the title 'Reading the time' at the top of the page in your maths books. Remember to write the question number too!

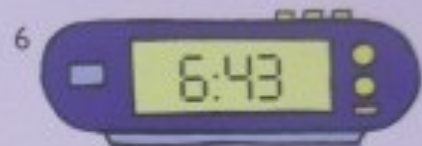
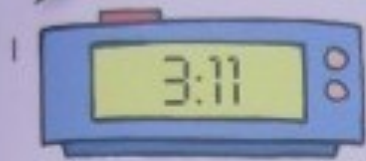
Reading the time

Time

D1

Write the time on each clock using 'past' or 'to'.

1.11 minutes past 3



Write the times in order, starting at 1:35. Find the time gap between each.

Write the missing time in each sequence.

10. 6:15 pm

10 5:45 pm, 6:00 pm, , 6:30 pm

11 3:38 am, 3:48 am, 3:58 am,

12 10:45 pm, 11:45 pm, , 1:45 am

13 9:16 am, 10:16 am, 11:16 am,

14 9:48 am, 11:48 am, , 3:48 pm

15 6:25 pm, 8:25 pm, 10:25 pm,





w/b 6.4.20 Can I tell the time? (Y4)


This page does not need to be printed out. Please write the short date you do the work as well as the title 'am and pm' at the top of the page in your maths books. Remember to write the question number too!


am and pm


Write each time using am or pm.


1 

2 




3 




4 

5 



6 

7 Jon wakes up at 7:45 am. He takes 12 minutes to wash and get dressed, 16 minutes over breakfast, then leaves for school. It takes him 9 minutes to walk to school. What time does he arrive?


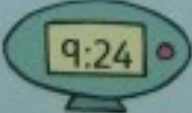




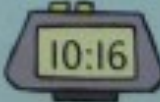





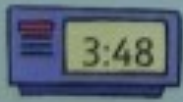
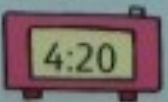
8 Kareena sets off to meet Kim at a train station. She catches the 8:25 am train and the journey takes 2 hours 11 minutes. Kim catches the 9:16 am train and her journey lasts 1 hour 50 minutes. Who gets there first, and how long does she have to wait?


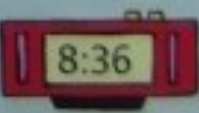



Write the time half way between each pair of clock times:

9  

10  

11  

12  

60

Part 2: Hours, Minutes and Seconds



w/b 6.4.20 Do I understand the concept of hours, minutes and seconds?

This page does not need to be printed out. Please write the short date you do the work and the above question in your book. Remember to write the question number too!

Warm up activities for everyone.

1) Write these headings in your book and then sort the activities on the approximate time they take to complete.

One hour	One minute	One second
Clap	Run around the playground	Blink
Swimming lesson	PE lesson	Tie your shoe laces

2) Write and complete the statements in your maths book.

One hour = ___ minutes

One minute = ___ seconds.

Two hours = ___ minutes

Three minutes = ___ seconds.

Half an hour = ___ minutes

___ minutes = 240 seconds

3) Solve the following word problem. Show how you worked it out.

Josh reads a chapter of his book in 5 minutes and 28 seconds.

Tom reads a chapter of his book in 300 seconds.

Who reads their chapter the quickest?

Then...

- be brave and have a go at the reasoning and problem solving on the next page (answers included).
- choose Challenge 1, 2, 3 or 4 on the pages after.

w/b 6.4.20 Do I understand the concept of hours, minutes and seconds?

Reasoning and problem solving

- 1) Jack takes part in a sponsored silence.

He says,



If I am silent for five hours at 10p per minute, I will raise £50

Do you agree with Jack?
Explain why you agree or disagree.

- 2) Dora says,



To convert hours to minutes, I multiply the number of hours by 60

Is she correct? Can you explain why?

- 3) Five friends run a race.
Their times are shown in the table.



Name	Time
Eva	114 seconds
Dexter	199 seconds
Teddy	100 seconds
Whitney	202 seconds
Ron	119 seconds

Which child finished the race the closest to two minutes?

What was the difference between the fastest time and the slowest time?
Give your answer in minutes and seconds.

w/b 6.4.20 Do I understand the concept of hours, minutes and seconds?

Reasoning and problem solving — ANSWERS

<p>Jack takes part in a sponsored silence.</p> <p>He says,</p>  <p>If I am silent for five hours at 10p per minute, I will raise £50</p> <p>Do you agree with Jack? Explain why you agree or disagree.</p>	<p>Jack is incorrect. There are 60 minutes in an hour so $60 \times 10p = 600p$ or £6 $£6 \times 5 = £30$</p>
<p>Dora says,</p>  <p>To convert hours to minutes, I multiply the number of hours by 60</p> <p>Is she correct? Can you explain why?</p>	<p>Dora is correct. For example $1 \text{ hour} = 60 \text{ minutes}$ $1 \times 60 = 60$ $2 \text{ hours} = 120 \text{ minutes}$ $2 \times 60 = 120$</p>

<p>Five friends run a race. Their times are shown in the table.</p> <table border="1" data-bbox="470 548 845 1131"><thead><tr><th>Name</th><th>Time</th></tr></thead><tbody><tr><td>Eva</td><td>114 seconds</td></tr><tr><td>Dexter</td><td>199 seconds</td></tr><tr><td>Teddy</td><td>100 seconds</td></tr><tr><td>Whitney</td><td>202 seconds</td></tr><tr><td>Ron</td><td>119 seconds</td></tr></tbody></table> <p>Which child finished the race the closest to two minutes?</p> <p>What was the difference between the fastest time and the slowest time? Give your answer in minutes and seconds.</p>	Name	Time	Eva	114 seconds	Dexter	199 seconds	Teddy	100 seconds	Whitney	202 seconds	Ron	119 seconds	<p>Ron was the closest to two minutes, as he is one second quicker than 2 minutes (120 seconds).</p> <p>Fastest time 100 seconds, slowest time 202 seconds.</p>
Name	Time												
Eva	114 seconds												
Dexter	199 seconds												
Teddy	100 seconds												
Whitney	202 seconds												
Ron	119 seconds												
<p>The difference between the fastest and slowest time is 1 minute and 42 seconds.</p>	<p>The difference between the fastest and slowest time is 1 minute and 42 seconds.</p>												

w/b 6.4.20 Do I understand the concept of hours, minutes and seconds?

This page does not need to be printed out. Please write the short date you do the work, Challenge 1 and 'seconds' in your book. Remember to write the question number too!

Challenge 1

Seconds

Time 01

Write how many seconds have passed after the minute.

1. 17 seconds

1 2 3 4 5 6

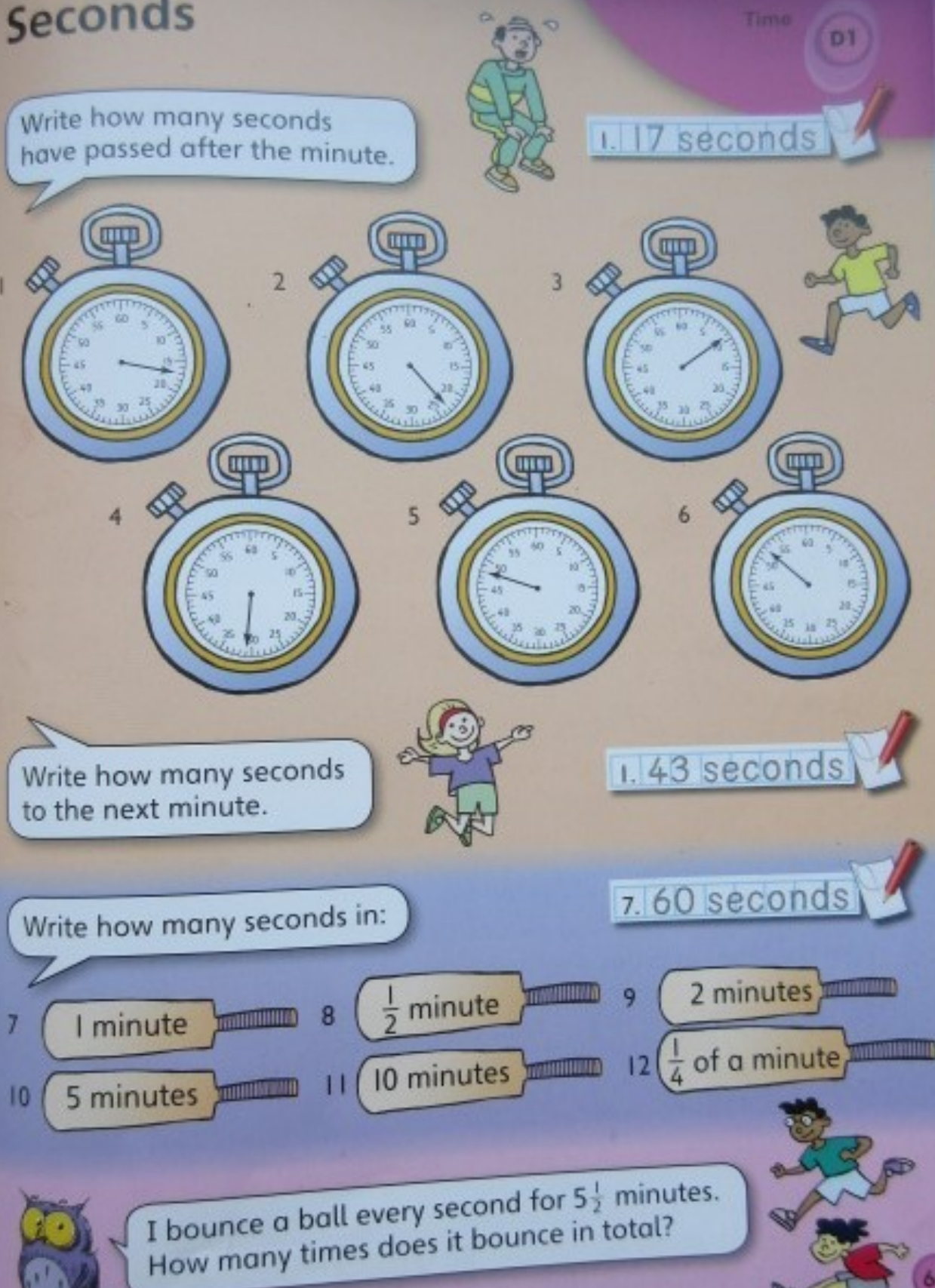
Write how many seconds to the next minute.

1. 43 seconds

Write how many seconds in:

7 1 minute 8 $\frac{1}{2}$ minute 9 2 minutes
10 5 minutes 11 10 minutes 12 $\frac{1}{4}$ of a minute


I bounce a ball every second for $5\frac{1}{2}$ minutes. How many times does it bounce in total?












w/b 6.4.20 Do I understand the concept of hours, minutes and seconds?

This page does not need to be printed out. Please write the short date you do the work, Challenge 2 and 'seconds' in your book. Remember to write the question number too!


Challenge 2

D1 Time  **Seconds**


The children in Class 4 ran an obstacle race. These are their times.

Gita 2 minutes 18 seconds		Jenny 1 minute 54 seconds		Anna 2 minutes 38 seconds	
Afram 3 minutes 11 seconds		Lisa 1 minute 38 seconds		Josh 2 minutes 7 seconds	
Becky 3 minutes 9 seconds		Karim 2 minutes 47 seconds		Billy 2 minutes 31 seconds	


1 Write the times in order, quickest to slowest.

1. 1 minute 38 seconds, 11 minute 54 seconds, ... 


Who was: 2 4th 3 last 4 6th

Which children finished the race in: 

5 more than 150 seconds 6 less than 130 seconds
7 between 100 and 150 seconds 8 between 160 and 180 seconds

Write the times in order, shortest to longest. 

9 1 minute, $\frac{1}{2}$ minute, 40 seconds, 1 minute 25 seconds
10 85 seconds, 1 minute 20 seconds, $1\frac{1}{2}$ minutes, 95 seconds
11 2 minutes 20 seconds, 125 seconds, 2 minutes 35 seconds, 145 seconds

 Estimate how long 1000 seconds is in minutes. Work it out. How close were you? Try 2000 seconds.

62

w/b 6.4.20 Do I understand the concept of hours, minutes and seconds?


This page does not need to be printed out. Please write the short date you do the work, Challenge 3 and 'seconds' in your book. Remember to write the question number too!

Challenge 3

seconds

Time 01

These are the tracks on the new CD by Mathkidz.



Mathkidz	Track 1	<i>It all adds up</i>	2 minutes 55 seconds
	Track 2	<i>Count on me</i>	3 minutes 10 seconds
	Track 3	<i>She's double trouble</i>	1 minute 48 seconds
	Track 4	<i>Polygon blues</i>	2 minutes 37 seconds
	Track 5	<i>You're odd, I'm even</i>	3 minutes 5 seconds
	Track 6	<i>You can draw my graph</i>	4 minutes 2 seconds
	Track 7	<i>Don't take me away</i>	2 minutes 45 seconds
	Track 8	<i>No difference</i>	3 minutes 35 seconds
	Track 9	<i>Here's my number</i>	1 minute 25 seconds
	Track 10	<i>You're so square</i>	3 minutes 11 seconds

Write how many seconds these tracks last:

1. 2 | 15 seconds

- No difference
- You can draw my graph
- Polygon blues
- Count on me
- You're so square
- It all adds up

Write how long for:


- the first three tracks
- the first five tracks
- the last two tracks
- the last five tracks

Write these times in seconds:

11. | 105 seconds

- 1 minute 45 seconds
- 2 minutes 38 seconds
- 3 minutes 16 seconds
- 4 minutes 9 seconds
- 1 minute 58 seconds
- 2 minutes 17 seconds
- 10 minutes 20 seconds
- 5 minutes 35 seconds

Think of three tracks on your favourite CD. How long do they last altogether? Write the number of seconds.




63

w/b 6.4.20 Do I understand the concept of hours, minutes and seconds?

This page does not need to be printed out. Please write the short date you do the work, Challenge 4 and 'Record times' in your book. Remember to write the question number too! PCM 26 is on the next page.


Challenge 4

 Time

Record times

Look at PCM 26. It shows the results of some sports events.
Look at the records for the modern triathlon.


- 1 To the nearest half-minute, how many minutes did each record triathlon take?
- 2 Use your answer to question 1 to work out roughly how different these records are.
- 3 Work out the exact difference in minutes and seconds.
- 4–6 Answer the same questions for the marathon.



Look at the records for the 100 metre sprint.

- 7 To the nearest tenth of a second, how many seconds did each record sprint take?
- 8 Use your answer to question 1 to work out roughly how different these records are.
- 9 Work out the exact difference using a calculator.
- 10–12 Answer the same questions for the 400 metre sprint.

- 13 How much slower was the fastest lap in the 2008 British Grand Prix than the fastest lap in 2009?
- 14 How many days did the Round the World Clipper race take in 2007–08?

 In 2008 Portsmouth FC started playing in the FA Cup, in Round 3 when there were 64 clubs in the competition. They won the cup. They did not draw any matches. Each team played one match in each round. Each match lasted for 90 minutes. How many matches did they play? How many hours and minutes did they play altogether?

40

w/b 6.4.20 Do I understand the concept of hours, minutes and seconds?

Challenge 4, PCM 26.

Record times

Olympic records for the modern triathlon

Men	1 hour, 48 minutes, 24 seconds
Women	1 hour, 58 minutes, 28 seconds

World records for the marathon

Men	2 hours, 3 minutes, 59 seconds
Women	2 hours, 15 minutes, 25 seconds

World and Olympic records for the 100 metre sprint

Men	9.69 seconds
Women	10.49 seconds

World records for the 400 metre sprint

Men	43.18 seconds
Women	47.60 seconds

FI British Grand Prix: fastest laps

In 2008	1 hour, 39 minutes, 9 seconds
In 2009	1 hour, 21 minutes, 43 seconds

Round the World Clipper race

Started	16 September 2007
Finished	6 July 2008