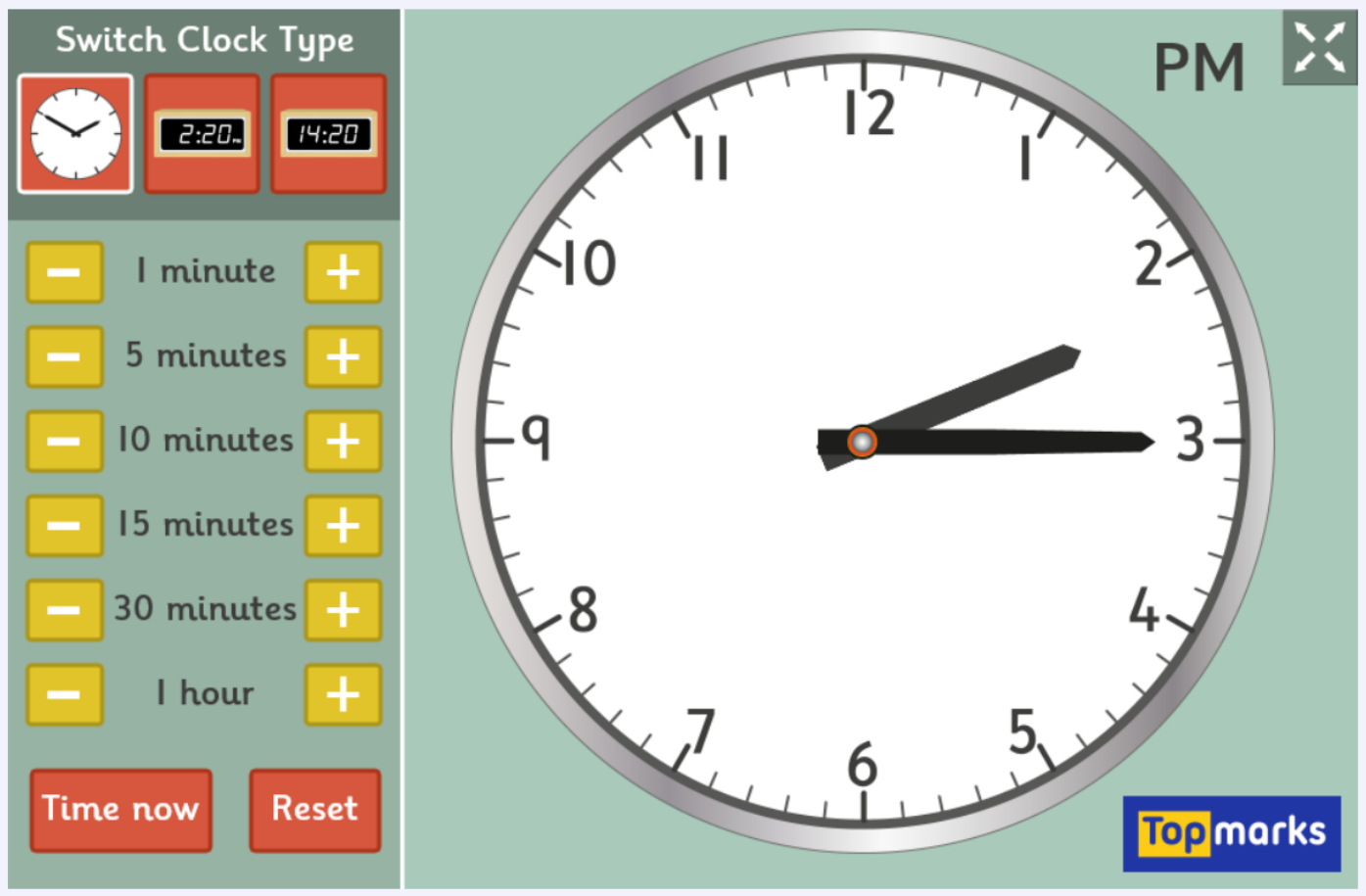
Class 3 Home Learning Year 4

Maths: week beginning 6.4.20

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



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.

Class 3 Home Learning

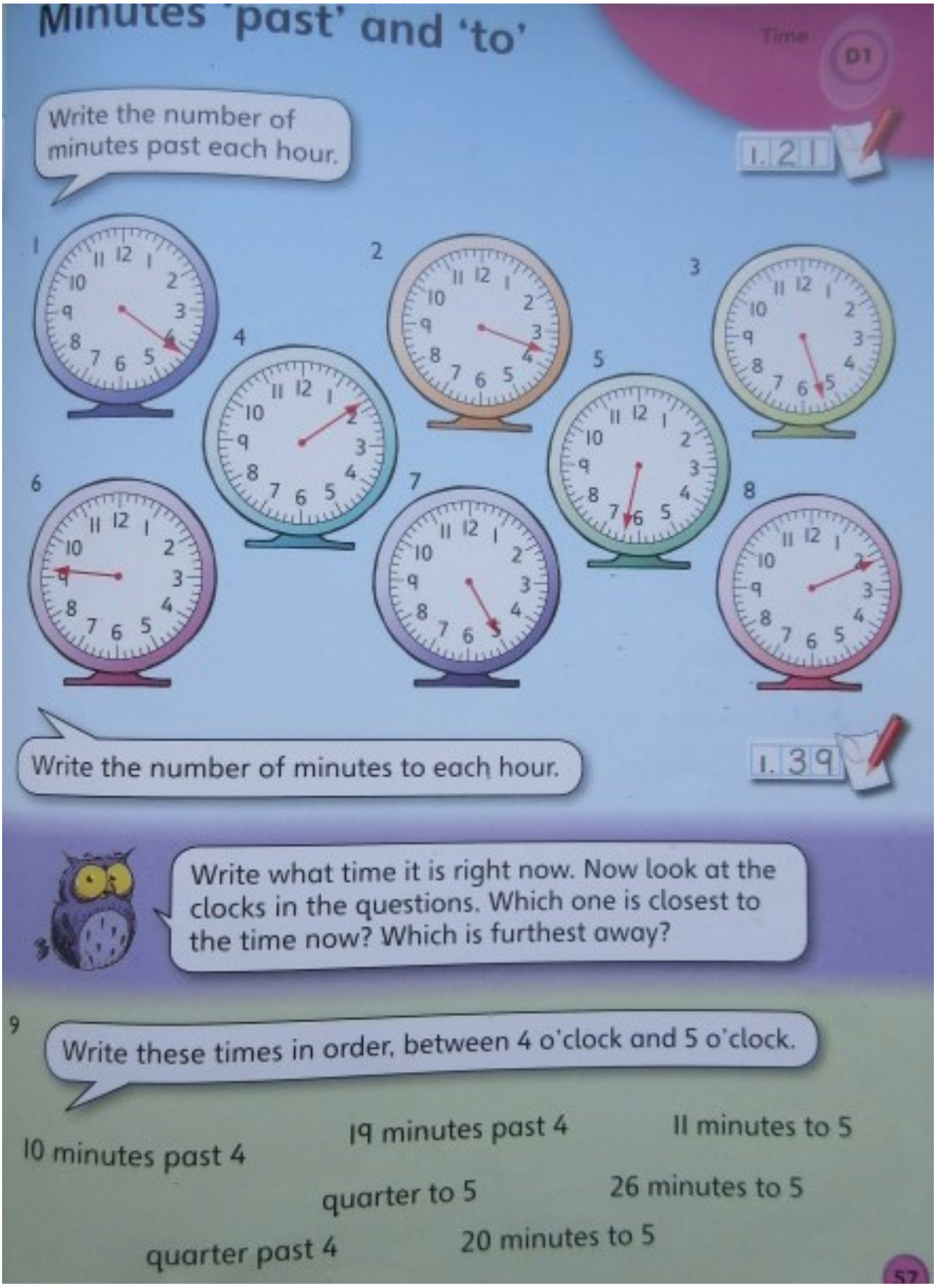
Year 4

Maths: week beginning 6.4.20

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

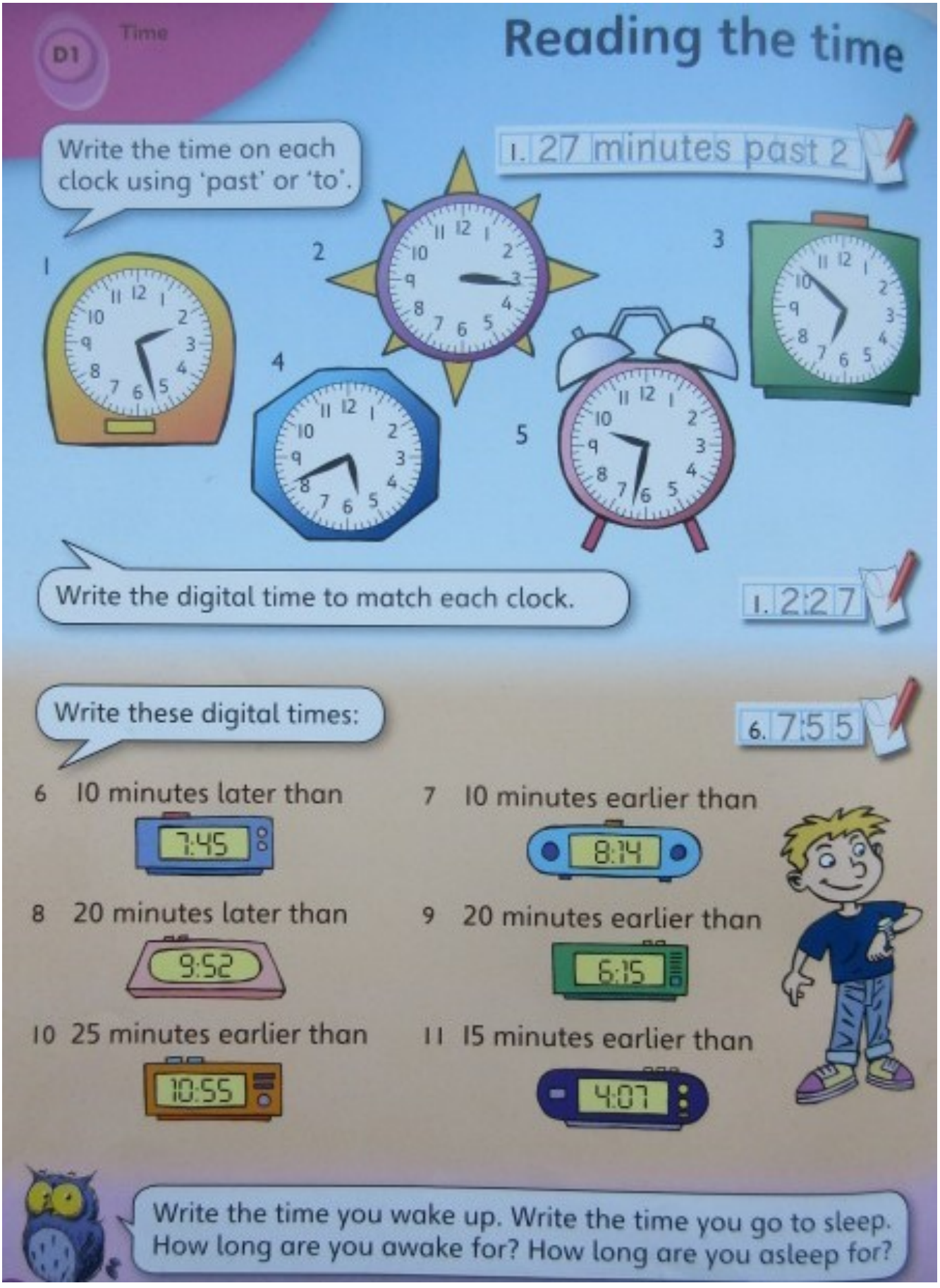
w/b 6.4.20 Can I tell the time? (Y4)

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!



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!



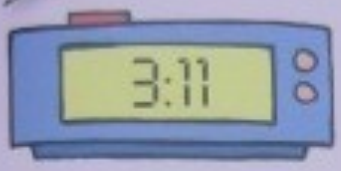
w/b 6.4.20 Can I tell the time? (Y4)

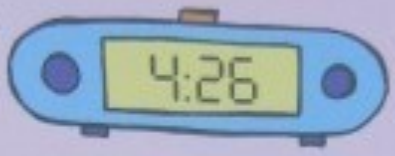
This page does not need to be printed out. Please write the short date you do the work as well as the title 'Reading the time' at the top of the page in your maths books. Remember to write the question number too!

Reading the time

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

1. 11 minutes past 3

1 

2 

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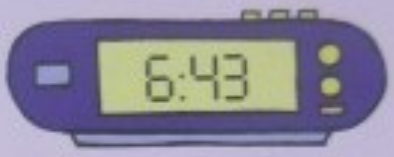
6 

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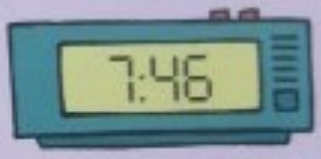
9 

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

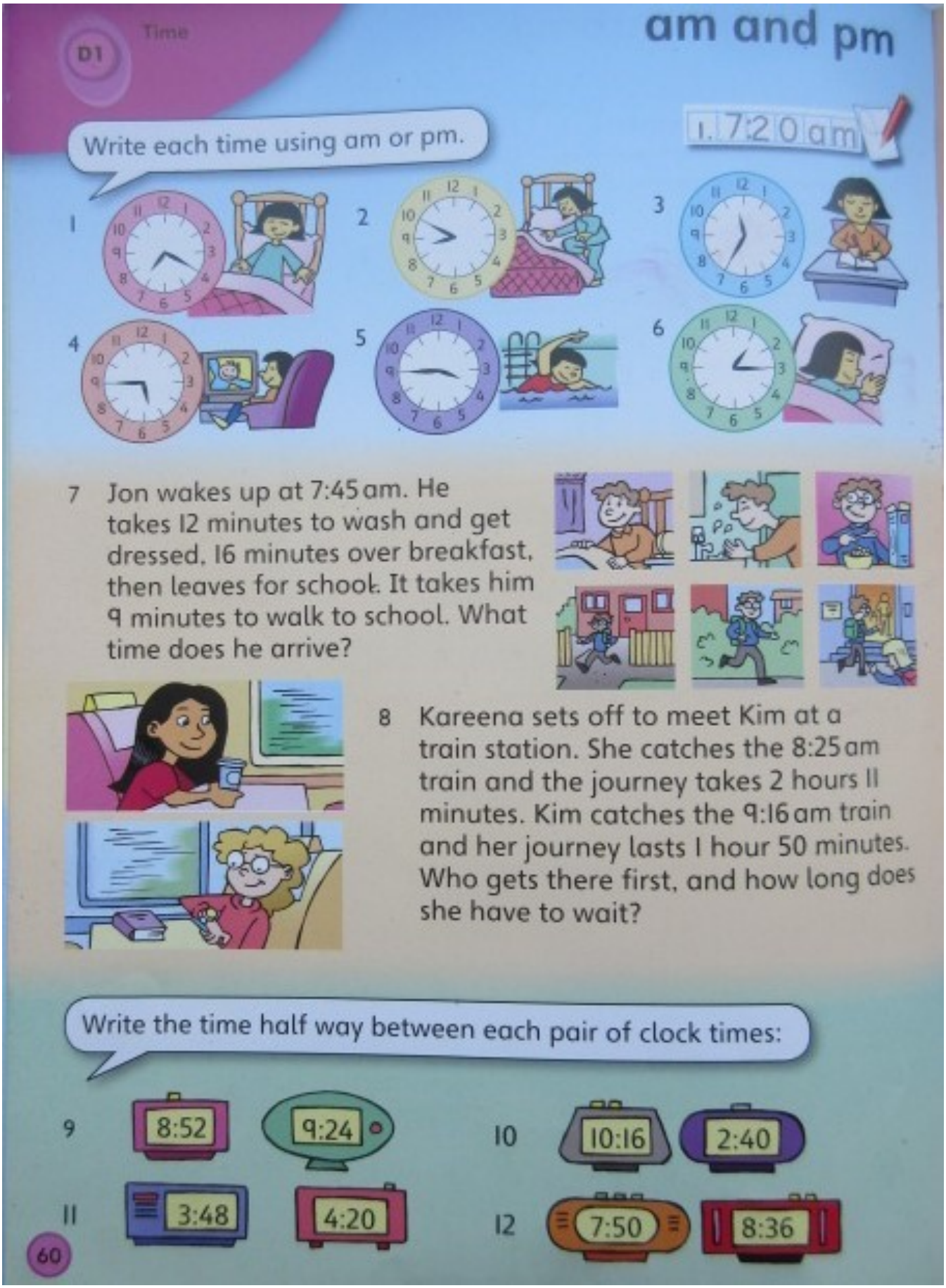
13 9:16 am, 10.16 am, 11:16 am, ____

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!



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

Two hours = ____ minutes

Half an hour = ____ minutes

One minute = ____ seconds.

Three minutes = ____ seconds.

____ 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...

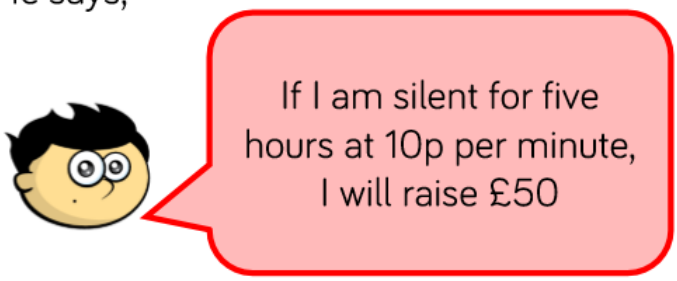
- be brave and have a go at the reasoning and problem solving on the next page (answers included).
- choose Challenge 1, 2, 3 or 4 on the pages after.

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

Reasoning and problem solving

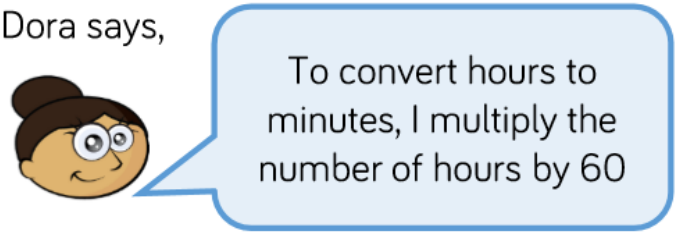
1) Jack takes part in a sponsored silence.

He says,



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

2) Dora says,



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

Jack takes part in a sponsored silence.

He says,

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

Jack is incorrect. There are 60 minutes in an hour so
60 × 10p = 600p or £6
£6 × 5 = £30

Dora says,

Is she correct? Can you explain why?

Dora is correct. For example
1 hour = 60 minutes
1 × 60 = 60
2 hours = 120 minutes
2 × 60 = 120

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.

Ron was the closest to two minutes, as he is one second quicker than 2 minutes (120 seconds).

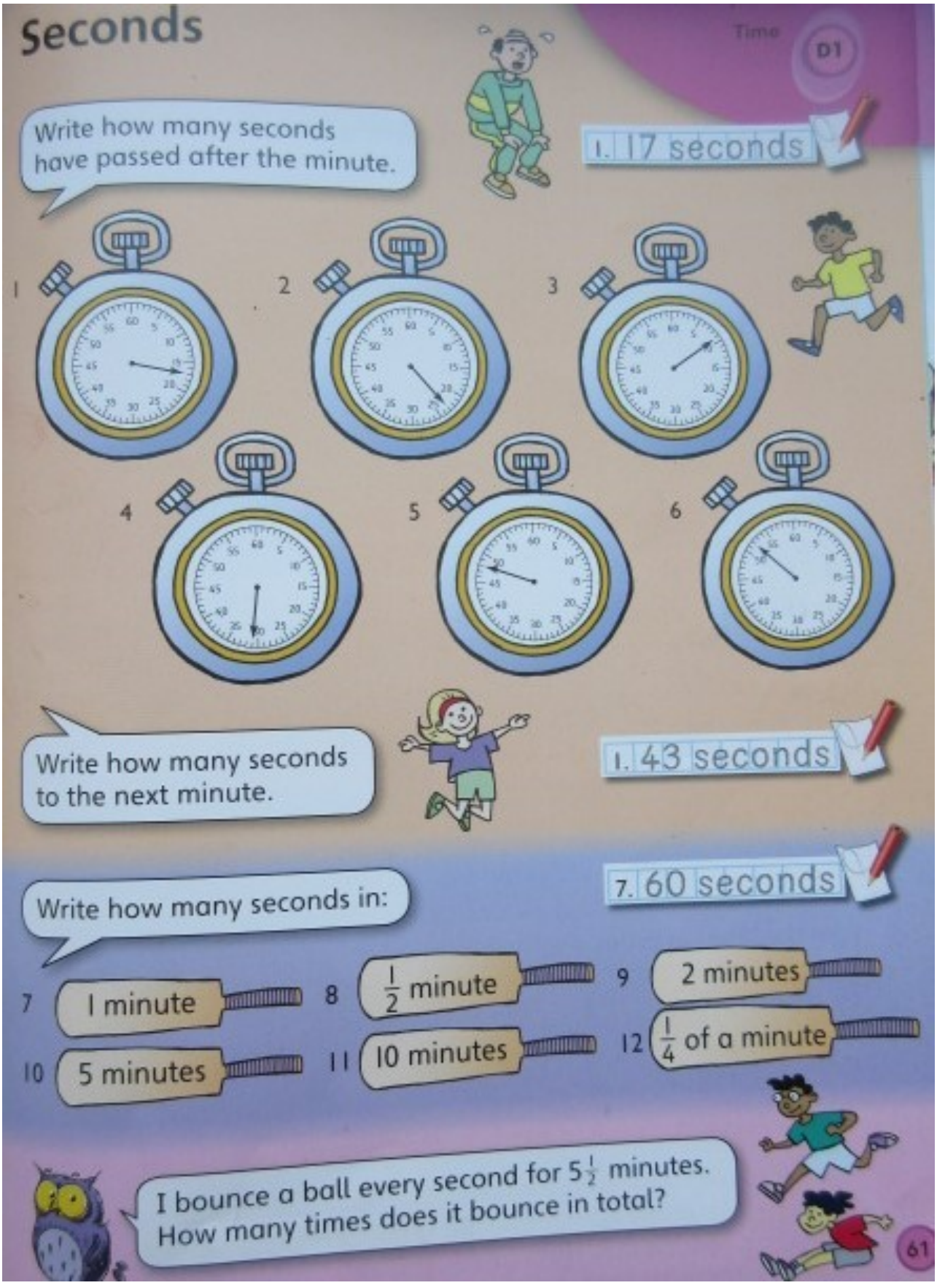
Fastest time 100 seconds, slowest time 202 seconds.

The difference between the fastest and slowest time is 1 minute and 42 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, Challenge 1 and 'seconds' in your book. Remember to write the question number too!

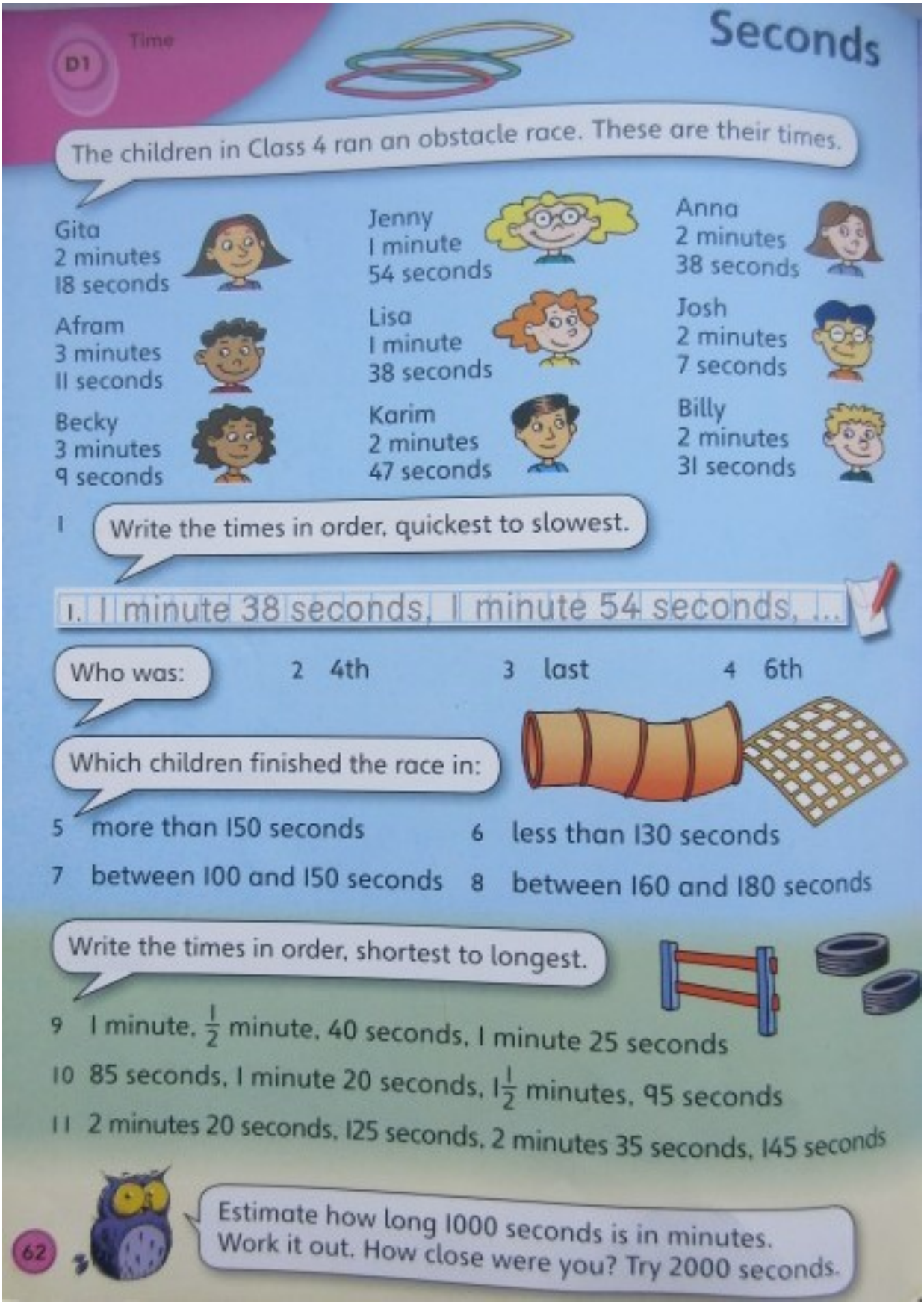
Challenge 1



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



Time D1

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, 1 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.

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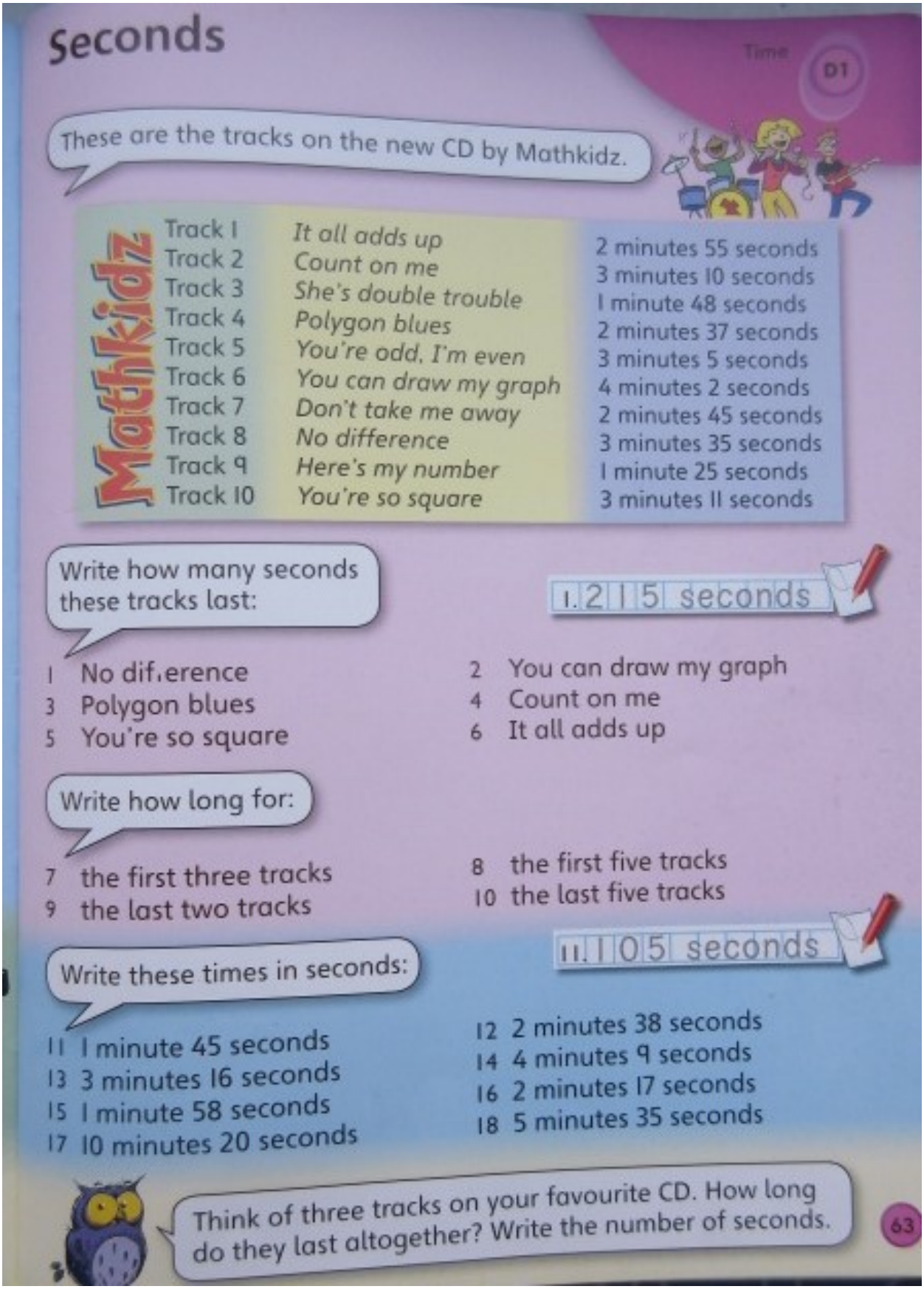
w/b 6.4.20 Do I understand the concept of hours, minutes and seconds?

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 D1

These are the tracks on the new CD by Mathkidz.

Mathkidz

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

Write how many seconds these tracks last:

1. 215 seconds

1 No difference
2 You can draw my graph
3 Polygon blues
4 Count on me
5 You're so square
6 It all adds up

Write how long for:

7 the first three tracks
8 the first five tracks
9 the last two tracks
10 the last five tracks

Write these times in seconds:

11. 105 seconds

11 1 minute 45 seconds
12 2 minutes 38 seconds
13 3 minutes 16 seconds
14 4 minutes 9 seconds
15 1 minute 58 seconds
16 2 minutes 17 seconds
17 10 minutes 20 seconds
18 5 minutes 35 seconds

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

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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

C2 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?

Extra

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?

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

F1 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